```
111111111
                                                                   TTTTTTTTTTTTT
                    TITITITITITI
                                                                                   LLL
                    LLL
                                                                   TTTTTTTTTTTTT
                                                                                   LLL
                                             888
888
888
888
                                 888
                                                  RRR
LLL
                       III
                                                              RRR
                                                                         TTT
                                                                                    LLL
                       III
                                 888
                                                  RRR
                                                              RRR
LLL
                                                                         TIT
                                                                                    LLL
                                 888
888
                                                  RRR
                                                              RRR
                       H
LLL
                                                                         TTT
                                                                                    LLL
                                                  RRR
                                                              RRR
                       III
LLL
                                                                         TIT
                                                                                    LLL
                                 888
                                             BBB
                                                              RRR
                                                  RRR
                       III
LLL
                                                                         TTT
                                                                                    LLL
                                 BBB
                                             BBB
                       III
                                                  RRR
                                                              RRR
LLL
                                                                         TIT
                                                                                    LLL
                                 III
                                                  RRRRRRRRRRR
LLL
                                                                         TTT
                                                                                    LLL
                                                  RRRRRRRRRRRR
LLL
                       111
                                                                         TIT
                                                                                    LLL
                                 88888888888
                                                  RRRRRRRRRRRR
LLL
                       111
                                                                         TIT
                                                                                    LLL
                                 888
                                                  RRR
                                                        RRR
                                             BBB
LLL
                       111
                                                                         TTT
                                                                                    LLL
                                 BBB
                                             BBB
                                                  RRR
                                                        RRR
                       111
LLL
                                                                         TIT
                                                                                    LLL
                       ĬĬĬ
                                 888
                                                  RRR
                                                        RRR
LLL
                                             BBB
                                                                         TTT
                                                                                    LLL
                       III
                                 888
                                             BBB
                                                  RRR
LLL
                                                           RRR
                                                                         TTT
                                                                                    LLL
                       III
                                 888
                                             BBB
                                                  RRR
LLL
                                                           RRR
                                                                         TTT
                                                                                    LLL
LLL
                       111
                                 BBB
                                             BBB
                                                  RRR
                                                           RRR
                                                                         TIT
                                                                                    LLL
                                 LLLLLLLLLLLLLLL
                    1111111111
                                                  RRR
                                                              RRR
                                                                         TTT
                                                                                    LLLLLLLLLLLLL
LLLLLLLLLLLLLL
                    RRR
                                                              RRR
                                                                         TTT
                                                                                   LLLLLLLLLLLLLL
RRR
                                                              RRR
                    111111111
                                                                         III
                                                                                   LLLLLLLLLLLLLL
```

Sy

LI VO

	88888888 88888888 88 88 88 88 88 88 88 88 888888	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	LL LL LL LL LL LL LL LL LL LL	\$	AAAAAA AA AA AA AA
	\$				

VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1

1Ó 

LI VO

BEGIN

1 1 \*

1 1 \*

1 1

1 1 \*

1 1 \*

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FACILITY: General Utility Library

ABSTRACT:

This module contains routines which can be used to find all files that match a wildcard file specification.

ENVIRONMENT:

VAX/VMS, User mode, Non-AST re-entrant

AUTHOR:

Tim Halvorsen, CREATION DATE: 1-AUG-1979

MODIFIED BY:

V03-024 BLS0331 Benn Schreiber 9-JUL-1984 Remove conditional compilation.

V03-023 BLS0321 Benn Schreiber 22-MAY-1984
If wild version, do not put it on related list over and over.

V03-022 BLS0319 Benn Schreiber 16-MAY-1984 For find\_file, never use move\_default to put at the end. Save address of newly created default nam block for future reference.

V03-021 BLS0317 Benn Schreiber 14-MAY-1984

If a new default file spec is seen, put it in the

	LI
	L ]

Page

M 11 LIBSFILESCAN VO3-024 16-Sep-1984 00:52:15 14-Sep-1984 12:38:49 Search a file wildcard sequence of files VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.832:1 0058 0059 58 59 list of related files at current location, not at end. 0060 60 61 62 63 0061 0062 0063 V03-020 BLS0316 13-MAY-1984 Benn Schreiber Remove over-anxious edit in find\_file. 64 0064 7-MAY-1984 V03-019 BLS0313 Benn Schreiber fix checking of default string in find file to correctly 66789012345678901234567890123456789 0066 decide whether to set default string in FAB. 0067 0068 V03-018 BLS0308 27-APR-1984 Benn Schreiber 0069 0070 In lib\$find file, fix wildcard version, and passing same filespec twice if nowild not set. Also, in 0071 lib\$file\_scan\_end, allow calling without fab argument. 0072 0073 V03-017 BLS0307 26-APR-1984 Benn Schreiber Fix use of NOW!LD in lib\$find\_file. 0074 0075 0076 V03-016 BLS0297 9-APR-1984 Benn Schreiber Correctly allow changing of the default file specification on new file specs in multi-file parses (lib\$find\_file). 0077 0078 0079 0080 V03-015 BLS0283 Benn Schreiber 6-MAR-1984 0081 Don't try to allocate O-length string in findfile. 0082 V03-014 BLS0275 0083 25-FEB-1984 Benn Schreiber 0084 Correct parse of null string to clear ESS and RSS 0085 0086 V03-013 BLS0264 Benn Schreiber 24-Jan-1984 0087 Add support for multiple input filename stickyness. Add new routines to deallocate saved context. Add conditional to compile new interface for V3, for shipment in 3.6. 0088 0089 0090 0091 V03-012 BLS0254 Benn Schreiber 19-Dec-1983 0092 Correct handling of null file specs in LIB\$FIND\_FILE. 0093 0094 V03-011 BLS0243 Benn Schreiber 20-0ct-1983 0095 Fix handling of related nam block for searchlists. 0096 V03-010 BLS0198 0097 13-Dec-1982 Benn Schreiber If non-wildcard call, do a parse of null string to clear 0098 0099 RMS internal context. 100 101 102 103 104 105 106 107 0100 0101 V03-009 BLS0174 Benn Schreiber 1-JUN-1982 0102 Use lib\$analyze\_sdesc\_r2 for arguments passed as 0103 string descriptors 0104 0105 V03-008 BLS0133 Benn Schreiber 11-Jan-1982 0106 Make lib\$file\_scan continue when it gets nopriv. Make 0107 lib\$file\_scan always copy expanded name string to resultant 108 0108 name string on errors and network non-wild files 109 0109 V03-007 TMK0001 TMK0001 Todd M. katz 31-Dec-1981 Check for a PPF file before doing a \$SEARCH. Do not do 0110 111 0111 112 0112 searches on PPF files. 114 V03-006 MLJ0044 0114 Martin L. Jack, 8-Sep-1981 14:00

.

LIBSFILESCAN VO3-024	Search a file wildcard sequence of files  N 11 16-Sep-1984 00:52:15 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:38:49 [LIBRTL.SRC]LIBFILSCA.B32;1	(1)
: 115	0115 1 ! Correct problems when \$PARSE fails.	
117	0117 1 V03-005 BLS0071 Benn Schreiber 22-Aug-1981 0118 1 Correct looping if priv violation in lib\$find_file	
115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131	0120 1 V03-004 BLS0065 Benn Schreiber 4-Aug-1981 0121 1 Fix handling of devices mounted foreign, and move 0122 1 saved status into a longword out of the fab for lib\$find_file.	
124	0124 1 V03-003 BLS0041 Benn Schreiber 23-Feb-1981 0125 1 Correct error in call to lib\$free_vm	
127 128	0127 1 V03-002 BLS0027 Benn Schreiber 28-Nov-1980 0128 1 Correct protection violation handling in LIB\$FIND_FILE	
130 131 132	0129 1 0130 1 V03-001 LMK0001 Len Kawell 19-Sep-1980 0131 1 Recode in BLISS and add LIB\$FILE_SEARCH. 0132 1 !	

L]

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L 18
V03
```

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(2)

```
16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
LIBSFILESCAN
VO3-024
                       Search a file wildcard sequence of files
                                                                                                                                  VAX-11 Bliss-32 V4.0-742
                                                                                                                                  [LIBRTL.SRC]LIBFILSCA.B32:1
                       Declarations
                       013367
013367
013367
01339
01339
014437
012339
                                1 %SBTTL 'Declarations';
    134
135
137
138
139
141
143
                                   SWITCHES
                                               ADDRESSING_MODE (EXTERNAL = GENERAL,
                                                                                                                      !Declare addressing modes
                                                                      NONEXTERNAL = WORD_RELATIVE);
                                  LIBRARY
                                               'RTLSTARLE':
                                                                                                                      !System symbols
                                   REQUIRE
                                               'RTLIN:RTLPSECT':
                                                                                                                      !Define PSECT declaration macros
    144
    145
                                   DECLARE_PSECTS (LIB);
                                                                                                                      !Declare PSECTs for LIB$ facility
    146
                       0240
0241
0242
0243
    147
    148
                                     LINKAGES:
    149
    150
151
152
153
154
155
                       0244
0245
0246
0247
0248
0249
                                  LINKAGE
                                         JSB_ANALYZE_SDESC = JSB (REGISTER=0; REGISTER=1, REGISTER=2) : NOTUSED (3,4,5,6,7,8,9,10,11);
                                   FORWARD ROUTINE
    156
157
                                              COPY_EST_TO_RST : NOVALUE, COPY_FILE_STRING, DUMMY_ROUTINE,
                                                                                                          !Copies ESL to RSL !Copy file string to VM
    158
159
                       0251
                                                                                                           Dummy suc/err routine
                       0252
0253
                                               LIBSFILE SCAN,
COPY_RESULT_NAME : NOVALUE,
                                                                                                          !Wild card scan using FAB
                                                                                                          !Copy result string
!Wild card scan using context
    160
                                               LIBSFIND_FILE;
                       0254
    161
   162
163
                       0255
                       0256
0257
                                   EXTERNAL ROUTINE
                                               LIB$ANALYZE_SDESC_R2: JSB_ANALYZE_SDESC,!Analyze string descriptor
LIB$FREE VM. !Deallocate_virtual memory
    164
                       0258
0259
                                               LIBSFREE VM,
LIBSGET_VM,
    165
                                                                                                           !Allocate virtual memory
    166
    167
                       0260
                                               LIBSSCOPY_R_DX;
                                                                                                          !Copy string
                       0261
    168
                       0262
0263
    169
                                     Local storage
   170
                                  PSECT OWN = _LIB$CODE;
PSECT PLIT = _LIB$CODE;
   171
                       0264
   172
173
                       0265
                       0266
0267
   174
175
                                   OWN
                       0268
                                               RMSNMF : LONG INITIAL (RMS$_NMF);
   176
177
                                   BIND
                       0270
0271
                                               WILD_VER = UPLIT('; *');
    178
179
                       0272
0273
0274
0275
0276
0277
0278
0279
0280
0281
                                      Define the storage context used by LIB$FIND_FILE
    180
                                   LITERAL
    181
                                              NAM OFF = FABSC_BLN,
RNAM_OFF = NAM_OFF + NAMSC_BLN,
ESBUF_OFF = RNAM_OFF + NAMSC_BLN,
RSBUF_OFF = ESBUF_OFF + NAMSC_MAXRSS,
STATUS_OFF = RSBUF_OFF + NAMSC_MAXRSS,
INTFLAGS_OFF = STATUS_OFF + 4,
DNAM_PTR = INTFLAGS_OFF + 4,
   182
                                                                                                             Offset to NAM block
                                                                                                             Offset to related NAM block
    184
185
                                                                                                             Offset to expanded name
                                                                                                             Offset to result name
    186
187
188
                                                                                                             Offset to next status
                                                                                                             Offset to internal flags
                                                                                                             Pointer to default string
    189
                                                                                                              NAM block
                                                                                                          ! Total size of structure
    190
                                               CONTEXT_SIZE = DNAM_PTR + 4;
```

LIB VO3

```
LIB
VO3
```

Page

(3)

```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 COPY_FILE_STRING Copy filename string for next 14-Sep-1984 12:38:49
V03-024
                                                                                                                   [LIBRTL.SRC]LIBFILSCA.B32:1
                               **SBTTL 'COPY_FILE_STRING Copy filename string for next input file parse'; ROUTINE COPY_FILE_STRING(CONTEXT, FAB) =
                    0290
0291
0292
0293
   198
   199
   500
                                          This routine copies the file specified by fab$b_fns/l_fna to
   a block of memory allocated with lib$get_vm. This block also
                     0294
0295
                                          contains a nam block. These are used on a subsequent call to filescan to provide the related file name(s), and is done this
                    0296
0297
0298
                                          way because RMS needs access to the filename strings of all previous
                                          file specifications should any of them contain a searchlist.
                    0299
0300
0301
0302
0303
                                 Inputs:
                                          Context = 0 or address of context longword passed by user
                                          fab = address of fab
                    0304
0305
0306
0307
                                 Outputs:
                                          The memory is allocated and the block is added into the list
                                          of related nam blocks. If no context was passed by the user,
                     0308
                                          nothing is done.
                     0309
                    0310
0311
                                 NOTE: If compiling for V3 system, the expanded string from the NAM block is used, rather than fns/fna. Also, the related NAM block
                    0312
0313
                                          (found via NAM$L_RLF) must already point to a valid related
                                          NAM block.
                     0314
                               i ---
                    0315
                               BEGIN
                    0316
                               MAP
                    0317
                                         FAB : REF $BBLOCK:
                    0319
                               LOCAL
                    0320
                                          CTX : REF VECTOR[,LONG],
                    0321
                                         STRSIZE,
   230
                                          RNAM : REF $BBLOCK,
   231
232
233
234
235
236
237
238
                                         NAM : REF $BBLOCK.
                                         NEWBLOCK : REF $BBLOCK,
                                         STATUS:
                    0328
                                 If no context passed by user, then nothing to do.
                     0329
                     0330
                               IF (CTX = .CONTEXT) EQL 0
   239
                     0331
                                    THEN RETURN 1:
                    0332
    240
    241
                                 Allocate a block big enough for a NAM block and the filename string
                     0334
                     0335
                               STRSIZE = .FAB[FAB$B_FNS];
    244
                     0336
                               STATUS = LIBSGET_VM(TREF(NAMSC_B) N+.STRSIZE), NEWBLOCK);
   245
246
247
                     0337
                               IF NOT .STATUS
                                    THEN RETURN .STATUS;
                     0338
                     0339
    248
                     0340
                                 Initialize the NAM block, and copy the filename string
   249
250
251
                     0341
                              CH$MOVE(NAM$C_BLN,.FAB[FAB$L_NAM],.NEWBLOCK);
NEWBLOCK[NAM$B_RSL] = .STRSI7E;
NEWBLOCK[NAM$B_RSS] = .STPSIZE;
NEWBLOCK[NAM$L_RSA] = .NEWBLOCK+NAM$C_BLN;
```

LIBSFILESCAN

D 12

VAX-11 Bliss-32 V4.0-742

```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 COPY_FILE_STRING Copy filename string for next 14-Sep-1984 12:38:49
LIBSFILESCAN
                                                                                                                     VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                     Page
V03-024
                                                                                                                     [LIBRTL.SRC]LIBFILSCA.B32:1
                                                                                                                                                                           (3)
                     0346
0347
                               NEWBLOCK[NAMSB_ESS] = 0;
NEWBLOCK[NAMSB_ESL] = 0;
   2555
2556
2558
2561
263
263
                     0348
                               CHSFILL(O, NAMSC DVI, NEWBLOCK[NAMST DVI]);
CHSMOVE(.STRSIZE,.FAB[FAB$L_FNA],.NEWBLOCK+NAM$C_BLN);
                     0349
                     0350
                     0351
                                  Link this nam/filespec block into the list of blocks
                               NEWBLOCK[NAM$L RLF] = .CTX[0];
CTX[0] = .NEWBLOCK;
                     0355
                                RETURN 1
   264
                     0356
                             1 END:
                                                                                                  .TITLE LIBSFILESCAN Search a file wildcard sequence of
                                                                                                                               files
                                                                                                   .IDENT \V03-024\
                                                                                                   .PSECT
                                                                                                             _LIB$CODE,NOWRT, SHR, PIC,2
                                                                               00000 RMSNMF: .LONG
                                                                  000182CA
                                                                                                             99018
                                                                00 2A 3B
                                                                               00004 P.AAA: .ASCII
                                                                                                            \;*\<0><0>
                                                                                        WILD_VER=
                                                                                                                  P.AAA
                                                                                                   .EXTRN
                                                                                                           LIBSANALYZE_SDESC_R2
                                                                                                   .EXTRN
                                                                                                            LIB$FREE_VM, LIB$GET_VM
                                                                                                           LIB$SCOP7_R_DX
                                                                                                   .EXTRN
                                                                         O3FC 00000 COPY_FILE_STRING:
                                                                                                   .WORD
                                                                                                             Save R2,R3,R4,R5,R6,R7,R8,R9
                                                                                                                                                                          0290
                                                                           C2 00002
D0 00005
13 00009
                                                    5E
59
                                                                      08
                                                                                                             #8, SP
                                                                                                  SUBL 2
                                                                      AC
                                                                                                             CONTEXT, CTX
                                                                                                                                                                          0330
                                                                                                  MOVL
                                                                      40
                                                                                                  BEQL
                                                                                                             15
                                                                08
34
04
60
                                                                                                             FAB, R8
                                                                                                                                                                          0335
                                                    58
                                                                      AC
                                                                           DO 0000B
                                                                                                  MOVL
                                                                      A8
                                                                           9A
                                                                                                             52(R8), STRSIZE
                                                    56
                                                                               0000F
                                                                                                  MOVZBL
                                                                      AE
                                                                           9F 00013
                                                                                                             NEWBLOCK
                                                                                                                                                                          0336
                                                                                                  PUSHAB
                                                                           9E 00016
9F 0001B
                                                                      A6
                                             04
                                                                                                  MOVAB
                                                                                                             96(R6), 4(SP)
                                                    AE
                                                                      AE
02
50
                                                                                                  PUSHAB
                                                                                                             4(SP)
                                     0000000G
                                                                           FB
                                                                                                             #2, LIB$GET_VM
                                                                               0001E
                                                                                                  CALLS
                                                                           E9 0001E
D0 00028
28 0002C
90 00033
90 00037
9E 0003B
B4 00040
2C 00043
                                                                                                            BLBC
                                                                      AE
8F
56
                                                                                                  MOVL
                                             28
03
02
                                 67
                                                    B8
                                                             0060
                                                                                                  MOVC3
                                                                                                                                                                          0343
                                                    A7
                                                                                                  MOVB
                                                                                                                                                                          0344
0345
                                                                      56
A7
                                                    A7
                                                                                                  MOVB
                                                    A7
                                                                                                  MOVAB
                                                                      A7
                                                                0A
                                                                                                  CLRW
                                                                                                             10(R7)
              10
                                 00
                                                                      00
                                                                                                  MOVC5
                                                                                                             #0, (SP), #0, #16, 20(R7)
                                                                                                                                                                          0348
                                                    6E
                                                                      A7
56
69
57
                                                                                00048
                                                                                                            STRSIZE, 244(R8), 96(R7)
(CTX), 16(R7)
R7, (CTX)
#1, R0
                                                   B8
A7
                                             20
                                                                               0004A
                                                                                                  MOVC3
                           60
                                 A7
                                                                               00050
00054
00057 1$:
                                                                                                                                                                          0353
                                                                           DO
                                                                                                  MOVL
                                                    69
50
                                                                                                                                                                          0354
                                                                            D0
                                                                                                  MOVL
                                                                      ÓÌ
                                                                                                                                                                          0355
                                                                            D0
                                                                                                  MOVL
```

0005A 2\$:

RET

LIB VO3

0356

; Routine Size: 91 bytes, Routine Base: \_LIB\$CODE + 0008

```
LIE
```

Page

```
F 12
LIBSFILESCAN
VO3-024
                       Search a file wildcard sequence of files 16-Sep-1984 00:52:15 COPY_ESL_TO_RSL Copy Expanded Name String to Re 14-Sep-1984 12:38:49
                                                                                                                                VAX-11 Bliss-32 V4.0-742
                                                                                                                                 [LIBRTL.SRC]LIBFILSCA.B32:1
    266
267
268
                                1 %SBTTL 'COPY_ESL_TO_RSL Copy Expanded Name String to Resultant'; 1 ROUTINE COPY_ESL_TO_RSL(FAB,NAM) : NOVALUE =
                       0358
                                              This routine sets up the resultant name string data in the NAM block. It is called in the case of an error from $PARSE/$SEARCH, or on network non-wild
    269
270
271
272
273
274
276
277
                       0360
                       0361
0362
0363
0365
03667
0368
0370
0377
                                              card operations.
                                      Inputs:
                                              FAB = FAB address
                                              NAM = NAM address
    278
    279
                                      Outputs:
    280
                       0372
0373
0374
    281
                                              NAMSB_RSL setup with length of string copied into
    282
283
                                              resultant name string buffer pointed to by NAM$L_RSA.
    284
                       0375
                                   BEGIN
    285
                       0376
    286
                                   MAP
    287
                       0378
                                                          REF BLOCK[,BYTE], REF BLOCK[,BYTE];
                                              FAB:
                                                                                                         ! FAB structure
                       0379
    288
                                              NAM:
                                                                                                          ! NAM structure
    289
                       0380
    290
                       0381
                                   IF .NAM[NAMSB_RSL] EQL 0
                                                                                                         ! If name not set up
                       0382
0383
                                         THEN IF (NAMENAMSB RSL) = .NAMENAMSB ESL) NEG O THEN CHSMOVE(MINU(.NAMENAMSB_RSS),
    291
                                                                                                                  ! If expanded string present
    292
                                                           .NAM[NAM$B_ESL]),! then use it .NAM[NAM$L_ESA], .NAM[NAM$L_RSA])
    293
                       0384
    294
                       0385
                       0386
0387
    295
                                              ELSE BEGIN
                                                                                                           No expanded string, use
                                                    NAMENAMSB_RSL] = .FAB[FABSB_FNS]; ! the file
CHSMOVE(MINU(.NAMENAMSB_RSS],.FAB[FABSB_FNS]),
    296
                                                                                                             the filename string from FAB
    297
                       0388
                                                                      .FABCFAB$L_FNA], .NANENAM$L_RSA]);
    298
                       0389
    299
                       0390
                                              END;
    300
                       0391
                                   RETURN:
    301
                       0392
                                1 END;
```

					007	00000 COPY	ESL_TO_RSL	:	0750
			56	08 03	AC DO	5 00006	.WORD MOVL TSTB	Save R2,R3,R4,R5,R6 NAM, R6 3(R6)	; 0358 ; 0381
		03	<b>A</b> 6	08	A6 9 39 1 A6 9 15 1	2 00009 0 0000B 3 00010	BNEQ MOVB BEQL	4\$ 11(R6), 3(R6)	0382
			51 51	02 0B	A6 9	A 00012 1 00016	MOVZBL CMPB	Ž(R6), R1 11(R6), R1	0384
04	В6	0:	51 B6	80	04 1 A6 9 51 2	A 0001C B 00020 15:	BGEQU MOVZBL MOVC3 RET	11(R6), R1 R1, a12(R6), a4(R6)	0385 0383 0387
		03	50 A6 51	04 34 02	AC D AO 9 A6 9	0 00027 2 <b>\$</b> : 0 0002B	MOVL MOVB MOVZBL	FAB, RO 52(RO), 3(R6) 2(R6), R1	0387

LIBSFILESCAN VO3-024	Search a COPY_ESL	file _TO_RS	wildcar L Copy	d sequer Expander	nce of d Name	files Strin	g t	o Re	6 12 16-Sep- 14-Sep-	1984 00:52 1984 12:38	: 15 : 49	VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.832;1	Page 9 (4)
				51	34	AO	91	0003	4	CMPB	52(RO)	, R1	;
	04	<b>B</b> 6	<b>2</b> C	51 B0	34	A0 04 A0 51	9A 28 04	0003 0003 0004	A E 3\$: 4 4\$:	MOVZBL MOVC3 RET	52(RO) R1, a4	, R1 , R1 4(R0), @4(R6)	. 0389 . 0392

; Routine Size: 69 bytes, Routine Base: \_LIB\$CODE + 0063

; R

LIF VO.

Search a file wildcard sequence of files DUMMY\_ROUTINE Dummy success/error routine

VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1

Page 10 (5)

: 303 : 304

LIBSFILESCAN VO3-024

0393 1 %SBTTL 'DUMMY\_ROUTINE Dummy success/error routine'; 0394 1 ROUTINE DUMMY\_ROUTINE = RETURN 1;

0000 00000 DUMMY\_ROUTINE:

50

01 D0 00002 04 00005

.WORD Save nothing #1, RO MOVL

RET

; Routine Size: 6 bytes, Routine Base: \_LIB\$CODE + 00A8 ; 0394

```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 PARSE_NULL_STRING Parse null string to dealloca 14-Sep-1984 12:38:49
                                                                                                                                VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
LIB$FILESCAN
                                                                                                                                                                                             (6)
                                                                                                                                                                                     Page
V03-024
                               1 %SBTTL 'PARSE NULL STRING Parse null string to deallocate RMS context'; 1 ROUTINE PARSE NULL STRING(FAB) =
    306
307
                       0396
    308
                       0397
    309
                       0398
                                               Parse the null string to force RMS to deallocate any context
    310
311
                       0399
                                               saved by NAMSV_SVCTX
                       0400
                       0401
                                     Inputs:
                       0402
    314
                                              fab = address of the fab
    315
                       0404
    316
317
318
                       0405
                                     Implicit outputs:
                       0406
                       0407
                                              $PARSE done on the fab to deallocate saved context
    0408
                       0409
                       0410
                                  BEGIN
                                  MAP
                       0412
                                              FAB : REF $BBLOCK:
                       0414
                                  LOCAL
                       0415
                                              NAM : REF $BBLOCK;
                       0417
                                     Set up to parse the null string
                       0418
                       0419
                                  NAM = .FAB[FAB$L_NAM];
                      0420
04223
04223
04223
04226
0423
0433
0433
0433
                                  IF .NAM NEQ O
                                  THEN
                                              BEGIN
                                              NAM[NAM$V_SVCTX] = 0;

NAM[NAM$V_SYNCHK] = 1;

NAM[NAM$B_ESL] = 0;

NAM[NAM$B_RSL] = 0;

NAM[NAM$B_ESS] = 0;

NAM[NAM$B_RSS] = 0;

NAM[NAM$B_RSS] = 0;
                                                                                             !In case of network SET DEFAULT
                                              END:
                                  FAB[FAB$B FNS] = 0;
FAB[FAB$B DNS] = 0;
                                   $PARSE(FAB=.FAB);
                                   RETURN 1
                                  END:
                                                                                                            .EXTRN SYS$PARSE
                                                                                0000 00000 PARSE_NULL_STRING: .WORD Sav
                                                                                                                                                                                           0396
                                                                                                                       Save nothing
                                                                                                                                                                                           0419
                                                         51
50
                                                                                   DO 00002
                                                                                                                       FAB, R1
40(R1), NAM
                                                                                                            MOVL
                                                                      28
                                                                                   DQ
13
                                                                                       00006
                                                                             A1
                                                                                                            MOVL
                                                                              12
                                                                                       0000A
                                                                                                            BEQL
                                                                             8F
08
A0
A0
A0
                                                                                                                       #128, 51(NAM)
#8, 8(NAM)
2(NAM)
                                                                                   8A
88
                                                 33
08
                                                         AO
AO
                                                                                                            BICB2
BISB2
                                                                                        00000
                                                                                       00011
00015
00018
                                                                                                            CLRW
CLRW
                                                                                   B4
                                                                                   B4
                                                                                                                        10(NAM)
                                                                                                            CLRL
                                                                                        0001B
                                                                                                                        16(NAM)
                                                                                   D4
                                                                             A1
51
                                                                                                                        52(R1)
R1
                                                                                        0001E 15:
```

84

DD

00021

CLRW

PUSHL

**M** 

LII VO

J 12
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 VAX-11 Bliss-32 V4.0-742
PARSE\_NULL\_STRING Parse null string to dealloca 14-Sep-1984 12:38:49 [LIBRTL.SRC]LIBFILSCA.B32;1

00000000G 00 50

01 FB 00021 01 00 00021 CALLS #1. SYS\$PARSE MOVL #1, RO

: 0433 : 0434

Page 12 (6)

; Routine Size: 46 bytes, Routine Base: \_LIB\$CODE + 00AE

LIBSFILESCAN VO3-024

```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 PARSE_NULL_STRING Parse null string to dealloca 14-Sep-1984 12:38:49
LIBSFILESCAN
                                                                                                          VAX-11 Bliss-32 V4.0-742 LLIBRTL.SRCJLIBFILSCA.B32:1
V03-024
   347
348
                            ROUTINE MOVE_DEFAULT_STRING(CONTEXT, FAB, DNMPTR) =
                   0436
0437
0438
0439
   349
                                      Move the default string from the FAB to a NAM block at the end
   350
                                      of the related NAM block list.
   351
352
353
354
355
                   0440
                               Inputs:
                   0441
                   0442
                                      context = address of context longword
                                      fab = fab address
   356
357
                   0444
                                      dnmptr = (optional) address of longword to store nam block address
                   0445
   358
359
                   0446
                               Outputs:
   360
                   0448
                                      fab[fab$b_dns] zeroed. Default name string copied into allocated
   361
                   0449
                                      nam block which is linked at the end of the related file blocks.
                  0450
0451
0452
0453
0454
   362
363
   364
365
                            BEGIN
                            MAP
   366
367
                                      CONTEXT : REF VECTOR[,LONG],
                                      FAB : REF $BBLOCK
                   0456
0457
   368
                                      DNMPTR : REF VECTOR[,LONG];
   369
                   0458
0459
   370
371
372
373
374
375
376
377
                            BUILTIN
                                      NULLPARAMETER:
                   0460
                   0461
                            LULAL
                   0462
                                      STATUS,
                                      PNAM : REF $BBLOCK,
                   0464
                                      RNAM : REF $BBLOCK.
                   0465
                                      TNAM : REF $BBLOCK:
   378
379
                   0466
                            IF .FAB[FAB$B_DNS] EQL 0
   380
                   0468
                            THEN
   381
                   0469
                                      RETURN 1:
   382
383
                   0470
                   0471
                               Search the NAM blocks looking for a default file string
                   0472 0473
   384
                               block (noted by [NAM$B_ESS] = %X'OD') and see if that string
   385
                               is same as new string. Return successfully if so. If not,
   386
                   0474
                               then deallocate the one from the list, as we need a new block.
   387
                   0475
                   0476
0477
   388
                            TNAM = CONTEXT[0] - $BYTEOFFSET(NAM$L_RLF);
                            PNAM = .TNAM;
WHILE .TNAM[NAM$L_RLF] NEQ 0
   389
   390
                   0478
   391
                   0479
                            DO
                                      BEGIN
   392
393
                                      PNAM = .TNAM;
TNAM = .TNAM[NAM$L_RLF];
                   0480
                   0481
                   0482
0483
   394
                                      IF .TNAM[NAMSB_ESS] EQL XX'OD'
   395
                                               BEGIN
   396
397
                   0434
                                                IF CH$EQL(.FAB[FAB$B_DNS],.FAB[FAB$L_DNA],
                   0485
                                                                   .TNAMENAMSB_RSL],.TNAMENAMSL_RSA],0)
                   0486
0487
   398
                                                THEN
   399
                                                         FAB[FAB$B_DNS] = 0;
   400
                   0488
                                                         RETURN 1;
   401
                   0489
                                                         END;
   402
                                                LIBSFREE_VM(%REF(NAMSC_BLN + .TNAM[NAMSB_RSL]),%REF(.TNAM));
                   0490
                   0491
                                                PNAM[NAM$L_RLF] = 0;
```

L1

```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 PARSE_NULL_STRING Parse null string to dealloca 14-Sep-1984 12:38:49
LIBSFILESCAN
                                                                                                                           VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
                                                                                                                                                                              Page 14 (7)
V03-024
    404
                      0492
                                                        EXITLOOP;
                                                        END;
    406
                      0494
                                             END:
    407
                      0495
    408
                                    Allocate a NAM+string block
    409
                      0497
                                 STATUS = LIB$GET_VM(%REF(NAM$C_BLN+.FAB[FAB$B_DNS]),RNAM);
IF_NOT .STATUS
                      0498
    410
    411
                      0499
    412
                      0500
                                 THEN
                      0501
                                             RETURN .STATUS:
                      0502
0503
    414
    415
                                    Link into the list, initialize the NAM block, copy the default name string.
                      0504
    416
    417
                      0505
                                 PNAM[NAM$L RLF] = .RNAM;
$NAM_INIT(NAM=.RNAM,
    418
                   P 0506
                                 RSA=.RNAM+NAMSC_BLN);
RNAM[NAM$B_RSL] = .FAB[FAB$B_DNS];
RNAM[NAM$B_ESS] = %X'OD'; !Identify it as door chamove(.FAB[FAB$B_DNS],.FAB[FAB$L_DNA],.RNAM+NAM$C_BLN);
FAB[FAB$B_DNS] = 0;
    419
                      0507
                      0508
                      0509
                                                                                          !Identify it as default string nam block
                      0510
                      0511
                      0512
                                 IF NOT NUELPARAMETER (3)
                     0514
0515
0516
                                             DNMPTR[0] = .RNAM;
                                 RETURN 1
                                 END;
                                                                             O1FC 00000 MOVE_DEFAULI_STRING:
.WORD Save
.C2 00002 SUBL2 #12.
                                                                                                                   Save R2,R3,R4,R5,R6,R7,R8
                                                                                                                                                                                   0435
                                                                                                                  #12, SP
FAB, R7
                                                      5E
57
58
                                                                               00
                                                                          AC
A7
                                                                                    00005
                                                                                                       MOVL
                                                                                                                                                                                    0467
                                                                                9Ĕ
95
                                                                                                                   53(R7), R8
                                                                                    00009
                                                                                                       MOVAB
                                                                          68
                                                                                    0000D
                                                                                                                   (R8)
                                                                                                        TSTB
                                                                                13
                                                                          ŽĎ
10
                                                                                    0000F
                                                                                                       BEQL
                                   54
                                               04
                                                      AC
55
                                                                                    00011
                                                                                                                   #16, CONTEXT, TNAM TNAM, PNAM
                                                                                                       SUBL 3
                                                                                                                                                                                   0476
                                                                                    00016
                                                                                                                                                                                   0477
                                                                          54
                                                                                DO
                                                                                                       MOVL
                                                                                    00019 15:
                                                                   10
                                                                                                       TSTL
                                                                                                                   16(TNAM)
                                                                                                                                                                                   0478
                                                                                    0001C
                                                                                                       BEQL
                                                                                                                   45
                                                      55
54
                                                                          54
                                                                                DO
                                                                                    0001E
                                                                                                                   TNAM, PNAM
                                                                                                                                                                                   0480
                                                                                                       MOVL
                                                                                                                  16(TNAM), TNAM
                                                                                DO
                                                                                    00021
                                                                                                                                                                                   0481
                                                                                                       MOVL
                                                      ÕD
                                                                   0À
                                                                          A4
                                                                                                                   10(TNAM), #13
                                                                                                       CMPB
                                                                                                                                                                                   0482
                                                                          EE
68
                                                                                12
                                                                                    00029
                                                                                                       BNEQ
```

9Ā

94

20

94

11

DO

9F

9A CO

9F

54

AE AE AE

50

**B**7

AE

AE 00000060

04

30

04

50

00

0002B

0002E

00032

00038

0003E

00044

00047

0004C

00054

00040 35:

MOVZBL

MOVZBL

CMPC5

BNEQ CLRB

BRB

MOVL

**PUSHAB** 

MOVZBL

ADDL2

**PUSHAB** 

(R8), R1

(R8)

4(SP)

5\$

3(TNAM), RO

TNAM, 4(SP) 4(SP)

3(TNAM), 4(SP) #96, 4(SP)

R1, 048(R7), #0, R0, 04(TNAM)

LI VO

0484

0485

0484

0487

0488

LIBSFILESCAN VO3-024	Search a PARSE_NU	fi JLL_	le wildcard STRING Parso	Sed Pind	quence of ull string	files to d	eal	loca 1	4 12 6-Sep-19 4-Sep-19	84 00:52 84 12:38	2:15 VAX-11 Bliss-32 V4.0-742 3:49 [LIBRTL.SRC]LIBFILSCA.B32;1	Page 15 (7)	
0060 8F	60 PAK2E_NC	00 <b>A6</b>	00000000000000000000000000000000000000	00 AEE 03565E 6666657 03	10 08	0AA68A05A5068A6065660	F D 9 C 9 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 1 F E D D 2 B 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 9 2 9 9 1 F E D D 2 B 9 9 9 9 9 9 9 9 1 F E D D 2 B 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0005E 00061 00068 00073 0007A 0007D 00085 00099F 0009F 0009A 000AA 000AD	4-Sep-19	CALLS CLRL PUSHAB MOVZBL ADDL2 PUSHAB CALLS BLBC MOVL MOVL MOVL MOVB MOVB MOVB MOVB MOVB MOVB CLRB CMPB BLSSU	#2, LIB\$FREE_VM 16(PNAM) RNAM (R8), 8(SP) #96, 8(SP)  #2, LIB\$GET_VM STATUS, 6\$ RNAM, R6 R6, 16(PNAM) #0, (SP), #0, #96, (R6)  #24578, (R6) 96(R6), 4(R6) (R8), 3(R6) #13, 10(R6) (R8), R0 R0, a48(R7), 96(R6) (R8) (AP), #3 5\$ 12(AP)	0491 0498 0499 0505 0507 0508 0509 0510 0511	
			00	BC 50	00	AC 04 56 01	D5 13 D0 D0 04	000B2 000B4 000B8	5 <b>\$</b> :	TSTL BEQL MOVL MOVL RET	12(AP) 5\$ R6, adnmptr #1, R0	. 0514 : 0515 : 0516	

; Routine Size: 188 bytes. Routine Base: \_LIB\$CODE + 00DC

```
VO
VO
VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
                                                           Page
                                                                    16
                                                                    (8)
```

Search a tile wildcard sequence of files 16-Sep-1984 00:52:15 LIB\$FILE\_SCAN File scan given FAB and NAM block 14-Sep-1984 12:38:49 LIBSFILESCAN VO3-024 %SBTTL 'LIB\$FILE\_SCAN file scan given FAB and NAM block'; GLOBAL ROUTINE LIB\$FILE\_SCAN(FAB,SUCCESS\_RTN,ERROR\_RTN,CONTEXT) = 0520 This routine is called with a wildcard file specification and calls a specified set of action routines for each file and/or error found in the wildcard sequence. Certain errors 0524 0525 0526 0527 0528 0529 are checked for in order to allow the search sequence to be completed even though errors like nopriv are present. Stickyness is also handled if this routine is called once for each file specification parameter in a command line. Inputs: 444 0531 FAB = FAB address. FAB\$L\_NAM must point to a valid, initialized 0532 0533 0534 0535 NAM block with both expanded and resultant string 446 buffers present. SUCCESS\_RTN = file success action routine address The success routine is called with one argument, which is a pointer to the FAB.

ERROR\_RIN = error action routine address
The error routine is called with one argument, 4489 4450 453 453 4556 4556 4559 0536 0537 0538 which is a pointer to the FAB.

CONTEXT = [OPTIONAL] address of longword used for keeping context for multiple input file related file processing. The longword should be zeroed on the first call, and LIB\$fILE\_SCAN\_END should be called after each set (command line) has been processed to deallocate 0539 0540 0541 0542 0544 0545 the allocated context. 0546 460 0547 Implicit inputs: 461 0548 462 463 0549 The FAB must be initialized as a FAB with a pointer to a valid 0550 NAM block. 464 465 0551 0552 0553 0554 0555 Outputs: 466 The action routines are called appropriately. This 468 470 471 473 474 476 477 routine returns when there are no more files. 0556 0557 0558 0559 Implicit outputs: 0560 0561 0562 0563 Routine values: Any valid RMS status code 0564 0565 0566 478 479 BEGIN 480 481 0567 GLOBAL BIND 0568 FMG\$fILE\_SCAN = LIB\$fILE\_SCAN; ! Define old name 482 483 0569 LOCAL 0570 0571 STATUS Routine status 484 SUC\_ROUTINE, Address of success routine 0572 0573 485 ERR\_ROUTINE, Address of error routine 486 CTX. Address of context longword

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LIF
VO:
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(8)

```
B 13
Search a file wildcard sequence of files 16-Sep-1984 00:52:15
LIB$FILE_S(AN File scan given FAB and NAM block 14-Sep-1984 12:38:49
LIBSFILESCAN
                                                                                                                 VAX-11 Bliss-32 V4.0-742
V03-024
                                                                                                                 [LIBRTL.SRC]LIBFILSCA.B32:1
                    0574
0575
0576
0577
                                        NAM : REF $BBLOCK,
INAM : REF $BBLOCK,
                                                                                    NAM block address
                                                                                  . NAM block address
! Temporary NAM block pointer
! Related file NAM block address
   488
   489
                                         RNAM : REF $BBLOCK:
   490
                              MAP
   491
492
493
494
496
                    0578
0579
0580
0581
                                         FAB:
                                                   REF BLOCK[,BYTE]:
                                                                                  ! FAB structure address
                              BUILTIN
                                         AP, CALLG, NULLPARAMETER:
                 M 0582
0583
0584
                              497
   498
                 M 0585
                              MACRO CALL_ERROR =
   499
                    0586
                                        (CALLG(.AP,.ERR_ROUTINE))%;
                    0587
   500
   501
                    0588
                                 Set up error and success routines
                    0589
                    0590
                              SUC_ROUTINE = DUMMY_ROUTINE;
ERR_ROUTINE = .SUC_ROUTINE;
   503
   504
                    0591
   505
                    0592
                              IF NOT NULLPARAMETER (2)
                            2 THEN
                    0593
   506
   507
                    0594
                                         SUC_ROUTINE = .SUCCESS_RTN;
                              IF NOT NULLPARAMETER (3)
   508
                    0595
                    0596
   509
                              THEN
                    0597
   510
                                        ERR_ROUTINE = .ERROR_RTN;
                    0598
   511
                    0599
                                Tell RMS to save context over calls to speed things up. This also causes directories to be read by RMS instead of the ACP.
   513
                    0600
   514
                    C601
                    0602
   515
                              NAM = .FAB[FAB$L NAM];
                              NAMENAMSV_SVCTX] = 1;
                    0603
   517
                    0604
                              CTX = 0:
   518
                    0605
   519
                    0606
                                 Set up previous file specifications NAM list pointer
                    0607
   521
523
523
524
525
526
527
528
                    0608
                              IF NOT NULLPARAMETER(4)
                    0609
                                        BEGIN
                              THEN
                    0610
                                        CTX = .CONTEXT:
                                                                                  !Get address of context longword
                    0611
                                         NAM[NAMSL_RLF] = ..CTX;
                                                                                  !Set related nam block pointer
                    0612
0613
                                         END:
                    0614
                                 Parse the file spec
                    0615
   529
530
                    0616
                              FAB[FAB$V_NAM] = 0;
STATUS = $PAR$E(FAB = .FAB);
                                                                                  !Clear in case previously set
                    0617
   531
                    0618
                              IF NOT .STATUS
   532
                    0619
                              THEN
                                         BEGIN
                                        COPY_ESL_TO_RSL(.FAB,.NAM);
CALL_ERROR;
COPY_FILE_STRING(.CTX,.FAB);
RETURN .STATUS;
                    0620
   533
                    0622
   535
   536
   537
                    0624
                                         END:
   538
                    0625
                              FAB[FAB$V_NAM] = 1;
                                                                                  ! Use NAM block
                    0626
   539
                                 Copy the default file string to the end of the nam block list
   540
                    0628
   541
                                 if we have a context block.
                    0629
0630
   542
543
                            3 if (.CTX NEQ 0)
```

```
VQ
LI
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```
LIBSFILESCAN
VO3-024
                     Search a file wildcard sequence of files 16-Sep-1984 00:52:15 LIB$FILE_SCAN File scan given FAB and NAM block 14-Sep-1984 12:38:49
                                                                                                                     VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBFILSCA.B32;1
    544
545
                                THEN IF (...CTX EQL 9)
                     0631
0633
0633
0634
0636
0638
0639
                                THEN
    546
                                          MOVE_DEFAULT_STRING(.CTX,.FAB);
    547
    Handle the case of being called with a related NAM block, but not the context block. In this case, we save the expanded filename
                                  string. This will provide the functionality seen in V4FT1.
                               RNAM = .NAMINAM$L RLF];
IF (.NAMINAM$B_ESI] NEQ 0)
AND (.RNAM NEQ 0)
                     0640
0642
0643
0644
0645
0647
0648
                                AND (.CTX EQL 0)
                                THEN
                                          BEGIN
                                          LOCAL
                                                     STATUS_1;
   560
561
562
563
                                          IF .RNAM[NAM$B_RSL] NEQ 0
                                                                                     !Deallocate any previous
                                          THEN
                     0649
0650
0651
0652
0653
0655
                                          LIBSFREE_VM(%REF(.RNAM[NAMSB_RSL]),RNAM[NAMSL_RSA]);
RNAM[NAMSB_RSL] = .NAM[NAMSB_ESL];
    564
                                          STATUS_1 = LIBSGET_VM(%REF(.RNAM[NAMSB_RSL]),RNAM[NAMSL_RSA]);
    565
                                          IF NOT .STATUS_1
    566
567
                                          THEN
                                          RETURN .STATUS 1;
CH$MOVE(.RNAMENAM$B_RSE],.NAMENAM$L_ESA],.RNAMENAM$L_RSA]);
    568
                    0656
0657
    569
                                          END:
    570
                                FAB[FAB$B_DNS] = 0;
                                                                                     ! Clear default name string
    571
                     0658
   572
573
                     0659
                                  If a wildcard version number was specified on this filespec
                     0660
                                  (via either FNM or DNM), then leave dnm set to ';*' so that
    574
                                  the version will be sticky. This is because RMS does not copy
                     0661
    575
                     0662
                                  the version field from related file name string.
                     0663
    576
   577
                     0664
                               IF .NAM[NAMSV_WILD_VER]
   578
                     0665
                               THEN
                                          BEGIN
   579
                     0666
                                          FAB[FAB$B_DNS] = %CHARCOUNT(';*');
    580
                     0667
                                          FAB[FAB$L_DNA] = WILD_VER;
    581
                     0668
                                          END:
    582
                     0669
    583
                     0670
                                  If the device is non-directory structured, then simply return
    584
                     0671
                                  to the caller's success action routine with the spec and
    585
                     0672
                                  avoid the SEARCH sequence. Also avoid the SEARCH sequence if
    586
587
                     0673
                                  the file is a PPF file.
                     0674
    588
                     0675
                               if not .(fab[fab$L_DEV]) < $BITPOSITION(DEV$V_DIR), 1>
and not .nam[nam$v_node]
    589
                     0676
    590
591
592
593
                     0677
                                OR .(FAB[FAB$L_DEV]) < $BITPOSITION(DEV$V_FOR),1>
                               OR .NAM[NAM$V_PPF]
                     0678
                     0679
                               THEN
                                          BEGIN'
                                          COPY_ESL_TO_RSL(.FAB,.NAM);
CALL_SUCCESS;
COPY_FILE_STRING(.CTX,.FAB);
                     0680
    594
595
                     0681
                     0682
0683
   596
597
                                          RETURN .STATUS;
                            END;

If the file specification is non-wild, then SEARCH (2 the FID/DID filled in and do not repeat the search.
                     0684
    598
                     0685
    599
                                  If the file specification is non-wild, then SEARCH once to get
    600
```

C 13

```
D 13
LIBSFILESCAN
VO3-024
                    Search a file wildcard sequence of files 16-Sep-1984 00:52:15 LIB$FILE_SCAN File scan given FAB and NAM block 14-Sep-1984 12:38:49
                                                                                                                 VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                Page 19
                                                                                                                 [LIBRTL.SRC]LIBFILSCA.B32:1
                                                                                                                                                                      (8)
                                 If no wildcard in a network spec, no need for search.
   602
                     0689
                     0690
                               IF NOT .NAM[NAM$V_WILDCARD]
    604
                     0691
                               THEN
                                         BEGIN
                    0692
0693
                                         IF NOT .NAM[NAM$V_NODE]
    605
    606
                                         THEN
                                                   BEGIN
    607
                     0694
                                                    STATUS = $SEARCH(FAB = .FAB);
                                                    IF NOT .STATUS
    608
                     0695
    609
                     0696
                                                    THEN
                                                              BEGIN
                                                              COPY_ESL_TO_RSL(.FAB,.NAM);
CALL_ERROR;
COPY_FILE_STRING(.CTX,.FAB);
RETURN .STATUS;
                     0697
    610
    611
                     0698
   612
                     0699
                     0700
                     0701
    614
                                                              END:
    615
                     0702
                                         ELSE COPY ESL_TO_RSL(.FAB,.NAM);
CALL_SUCCESS;
COPY_FILE_STRING(.CT),.FAB);
RETURN .STATUS;
                     0703
    616
   617
                     0704
                     0705
   618
    619
                     0706
    620
                     0707
                                         END:
    621
                     0708
                    0709
                                  Search for the each file which matches the wildcard sequence.
                    0710
                                 success call success action routine and continue. If no more files,
   624
                    0711
                                  quit. If other error, call the error action routine and if not
                    0712
0713
                                  a wildcard directory or failure wasn't no privilege, then quit.
   626
627
                     0714
                              DO
   628
629
630
631
632
633
636
636
637
                     0715
                                         STATUS = $SEARCH(FAB = .FAB);
                     0716
                                         IF .STATUS
                                         THEN
                                                   CALL SUCCESS
BEGIN
                    0717
                    0718
                                         ELSE
                                                   IF .STATUS EQLU .RMSNMF
THEN BEGIN
                    0719
                    0720
                                                              COPY FILE STRING(.CTX,.FAB);
RETURN .STATUS
                    0721
                                                              END
                     0724
                                                   ELSE
   638
                     0725
    639
                                                              COPY_ESL_TO_RSL(.FAB,.NAM);
CALL_ERROR;
                     0726
    640
                     0727
    641
                     0728
                     0729
                                                                Quit if not a wildcard directory or system status
    643
                     0730
                                                                not NOPRIV.
                     0731
    644
    645
                                                              IF NOT .NAM[NAM$V_WILD_DIR]
                                                               OR .FAB[FAB$L_STV] NEQU SS$_NOPRIV
                     0733
    646
    647
                     0734
                                                                        BEGIN
                                                                        COPY FILE STRING(.CTX,.FAB); RETURN .STATUS;
                     0735
    648
                    0736
0737
    649
    650
                                                              IF .FAB(FAB$L_STV) EQL SS$_NOPRIV_
THEN STATUS = 1;
    651
                     0738
    652
                     0739
                     0740
                                                              END:
                     0741
    654
                                                    END:
                    0742
0743
    655
    656
                                         END
    657
                              UNTIL NOT .STATUS:
```

LII

Page 20 (8)

: 658 : 659 : 660

LIBSFILESCAN VO3-024

0745 2 COPY\_FILE\_STRING(.CTX,.FAB); 0746 2 RETURN .STATUS 0747 1 END;

.EXTRN SYS\$SEARCH

			OFF	00000		.ENTRY	LIB\$FILE_SCAN, Save 92,83,84,85,86,87,88,-89,810,811	: 051	8
	5E 5A 5B 02	FF07	04 C2 CF 98 5A D0 6C 91	00005 0000A		SUBL2 MOVAB MOVL (MPB BLSSU	#4, SP DUMMY_ROUTINE, SUC_ROUTINE SUC_ROUTINE, ERR_ROUTINE (AP), #2 1\$	059 059 059	1
		08	09 11 AC D 04 1	00012		TSTL	8(AP) 1\$	_	
	5A 03	08	AC DC 6C 91	00017 00018 00016	1\$:	BEQL MOVL CMPB BLSSU	SUCCESS_RTN, SUC_ROUTINE (AP), #3 2\$	059	<b>4 5</b>
		00	AC D	00020		TSTL BEQL	12(AP) 2\$		
	5B 52 56 <b>A</b> 6	0C 04 28 80	AC DO	00025	2\$:	MOVL MOVL MOVL	ERROR_RTN, ERR_ROUTINE FAB, R2 40(R2), NAM	. 059 . 060	7 2
33	Á6 04	80	8F 88	3 00031		BISB2 CLRL CMPB	#128, 51(NAM) CTX (AP), #4	; 060 ; 060 ; 060	4
	•	10	OD 11	0003B 0003D		BLSSU TSTI	3\$ 16(AP) 3\$	:	
10 07	58 A6 A2	10	AC DE 08 13 AC DE 68 DE 01 8/	00036 00038 00030 00030 00040 00042 00046 00048 00050 00057	3\$:	BEQL MOVL MOVL BICB2	CONTEXT, CTX (CTX), 16(NAM) #1, 7(R2)	: 061 : 061 : 061 : 061	1
00000000	00 59 0f	•	01 8/ 52 DI 01 FE 50 DO	00050 00057 0005A		PUSHL CALLS MOVL BLBS PUSHR	R2 #1, SYS\$PARSE R0, STATUS STATUS, 5\$ #^M <r2,r6> #2, COPY_ESL_TO_RSL</r2,r6>	061	8
FE65	CF 6B	0044	02 FE 60 F/	NANA1	48.	CALLS CALLG	(AP), (EKK KUULINE)	062	
07	57 A7	04	010A 31 AC DC 01 88 58 DS	0006C 00070	5\$:	BRW MOVL BISB2	20\$ FAB, R7 W1, 7(R7)	062 062	5
			0D 1	00010		TSTL BEQL TSTL	CTX 6\$ (CTX)	063	1
			68 D; 09 1; 57 D; 58 D; 02 F; A6 D;	1 NNN7C		BNEQ PUSHL PUSHL	6\$ R7 CTX	063	3
FEBF	CF 52	10 08	A6 95	0007E 00080 00085 00089	<b>6\$</b> :	CALLS MOVL TSTB	#2, MOVE_DEFAULT_STRING 16(NAM), RNAM 11(NAM)	0639 0640	9
			44 1 52 D 40 1 58 D	38000 38000		BEQL TSTL	9\$ RNAM	064	1
			58 D	0008E 00090 00092		BEQL TSTL	9\$ CTX	064	2

0716 0717

0719

0726

0732 0733

E9 0013B FA 0013E

11 00141

13 00148

DD 0014A

DD 0014C

FB 0014F

FA 00154

E1 00157

DO

**D1** 

00150

00160

Ş¢

02

6C 04

AC

AO.

04

D1 00143 18\$:

05

6A

CF

6B

A6 50 24

FD20

FD77

1A

36

MOVL

BLBC

BRB

CMPL

BEQL

**PUSHL** 

**PUSHL** 

CALLS

CALLG

BBC

MOVL

CMPL

CALLG

19\$

20\$

MAM

FAB

FAB. RO

12(RO), #36

STÁTUS, 18\$
(AP), (SUC\_ROUTINE)

#2, COPY ESL TO RSL (AP), (ERR\_ROUTINE) #4, 54(NAM), 20\$

STATUS, RMSNMF

LIB\$FILESCAN V03-024	Search a file wildcar LIB\$FILE_SCAN File so	rd seguend Lan given	e of f	iles nd NA	M block	G 13 16-Sep-1 14-Sep-1	984 00:53 984 12:3	2:15 VAX-11 Bliss-32 V4.0-742 8:49 [LIBRTL.SRC]LIBFILSCA.B32;1	Page 22 (8)
		50 24	04 00	10 AC AO 03 01 59	12 001 00 001 01 001 12 001 00 001	64 66 6 <b>A</b>	BNEQ MOVL CMPL	20 <b>\$</b> FAB, RO 12(RO), #36	0738
		59 88	04	03 01 59 AC	EB QQ1	75 19 <b>5</b> : 76 20 <b>5</b> :	BNEQ MOVL (MPL BNEQ MOVL BLBS PUSHL	19\$ #1, STATUS STATUS, 17\$ FAB	0739 0744 0745
	FCFO	CF 50		AC 58 02 59	DD 001 DD 001 FB 001 DO 001 04 001	79 7B 80	PUSHL CALLS MOVL RET	CTX #2, COPY_FILE_STRING STATUS, RO	0746 0747

; Routine Size: 388 bytes, Routine Base: \_LIB\$CODE + 0198

VO VO

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```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 COPY_RESULT_NAME Copy best name possible to res 14-Sep-1984 12:38:49
LIBSFILESCAN
                                                                                                                          VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
V03-024
    662
                                 *SBTTL 'COPY_RESULT_NAME Copy best name possible to result string';
                                 ROUTINE COPY RESULT NAME (FAB, RESULT NAME) : NOVALUE =
                      0750
    664
0751
    665
                                            This routine extracts the best possible result name from the fab/nam block and returns it in the result descriptor.
    666
    667
                      0754
0755
                                    Inputs:
    668
    669
                      0756
0757
    670
                                            fab
                                                       address of the fab, which must also contain a nam block
    671
                                            result_name address of the descriptor for the result string
    672
673
674
675
                      0758
                      0759
                                    Outputs:
                      0760
                      0761
                                            Output string is copied to result_name using lib$s_copy_r_dx
                      0762
0763
    676
677
                      0764
0765
    678
    679
                                 BEGIN
                      0766
0767
0768
0769
0770
0771
0772
0773
0774
0775
0776
    680
                                 MAP
    681
                                       FAB : REF BLOCK[,BYTE];
    682
683
                                 BIND
    694
                                       NAM = FAB[FAB$L_NAM] : REF BLOCK[,BYTE];
    685
    686
687
                                 LOCAL
                                       FNSIZE,
    688
                                       FNADDR;
    689
                                 IF (FNSIZE = .NAM[NAM$B RSL]) NEQ 0
THEN FNADDR = .NAM[NAM$L RSA]
ELSE IF (FNSIZE = .NAM[NAM$B_ESL]) NEQ 0
    690
   691
692
693
                      0778
                      0779
                                             THEN FNADDR = .NAM[NAM$L]ESA]
                      0780
0781
0782
0783
    694
695
                                            ELSE BEGIN
                                                  FNSIZE = .FAB[FAB$B_FNS];
    696
697
                                                  FNADDR = .FAB[FAB$L_FNA];
                                                  END:
                      0784
0785
    698
699
                              2 RETUI
                                 RETURN LIB$SCOPY_R_DX(FNSIZE,.FNADDR,.RESULT_NAME)
    700
                      0786
```

		0004	00000	COPY_RESULT_NAMI		
51 50 7E	04 28 03	AC DO	00006	WORD MOVL MOVL	Save R2 FAB, R1 40(R1), R0	0749 0770 0776
16	03	A0 9A 06 13	0000A	MOVZBL Beql	3(RO), FNSIZE 1\$	; ;
52	04	AO DO	00010	MÖVL Brb	4(RO), FNADDR	0777
6E	08	A0 9A	00016 0001A	1\$: MOVZBL BEQL	11(RO), FNSIZE 2\$	0778
52	00	A0 D0	0001C 00020	MÖVL Brb	12(RO), FNADDR	0779
6E	34	Ă1 9A	00022	2\$: MOVZBL	ŠŽ(R1), FNSIZE	0781

H 13

LIBSFILESCAN VO3-024	Search a file wildcard COPY_RESULT_NAME Copy	sequence best name	of f	iles ible	to	res 1	I 13  6-Sep-198  4-Sep-198	4 00:52 4 12:38	:15	VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1	Page 24 (9)
		52	80 80	A1 AC	D0 DD	00026	3\$:	MOVL PUSHL PUSHL PUSHAB	44(R1) RESULT FNADDR	, FNADDR _NAME	; 0782 ; 0785
	00000006	00	08	AE 03	9F FB 04	0002F 00037 00039	3\$:	PUSHAB CALLS RET	FNSIZE		0786

; Routine Size: 58 bytes, Routine Base: \_LIB\$CODE + 031C

```
LI
VO
```

Page

```
LIBSFILESCAN
VO3-024
                   Search a file wildcard sequence of files 16-Sep-1984 00:52:15 FIND_FILE_CLEANUP Internal routine to do find_f 14-Sep-1984 12:38:49
                                                                                                        VAX-11 Bliss-32 V4.0-742
                                                                                                        [LIBRTL.SRC]LIBFILSCA.B32:1
   702
703
                            *SBTTL 'FIND_FILE_CLEANUP Internal routine to do find_file cleanup';
                  0788
0789
0790
                            ROUTINE FIND_FILE_CLEANUP(CONTEXT) =
   704
   705
                                      Deallocate the context associated with using LIB$FIND_FILE
                   0791
   706
                   0792
0793
   707
                               Inputs:
   708
   709
                   0794
                                      context = address of longword containing context pointer
                   0795
   710
                   0796
0797
   711
                               Outputs:
   712
713
                   0798
                                      A parse of the null string is done.
                   0799
                                      Context, related nam blocks, etc, all deallocated. Context
                   0800
   715
                                      longword is not zeroed.
                   0801
                            1---
   716
                   0802
0803
                            BEGIN
   717
   718
                            MAP
                   0804
                                      CONTEXT : REF VECTOR[.LONG];
                   0805
   720
                   0806
0807
                            BIND
   723
724
726
727
728
731
733
735
735
                                      INTFLAGS = .CONTEXT[0] + INTFLAGS_OFF : BITVECTOR;
                   0808
                   0809
                            LOCAL
                   0810
                                      FAB : REF $BBLOCK.
                   0811
                                      NAM : REF $BBLOCK.
                   0812
                                      RNAM : REF $BBLOCK.
                                      BLOCKSIZE:
                   0814
                   0815
                            FAB = .CONTEXT[0]:
                   0816
0817
                              Deallocate the filename string and the context block
                   0818
                   0819
                            BLOCKSIZE = .FAB[FAB$B_FNS];
                   0820
                            IF .FAB[FAB$B_FNS] NEQ 0
   736
737
                   0821
                                 AND .FAB[FAB$L_FNA] NEQ 0
                   0822
0823
                            THEN
   738
                                      LIB$FREE_VM(BLOCKSIZE,FAB[FAB$L_FNA]);
   739
                   0824
                   0825
   740
                               If doing multiple input related file processing, deallocate the related
                   0826
0827
   741
                              nam blocks
   742
743
                            IF .INTFLAGS[0]
                   0828
                   0829
                            THEN
   744
                                      BEGIN
                                      NAM = .FAB[FAB$L_NAM];
   745
                   0830
                  0831
0832
0833
   746
                                      IF .NAM NEQ O
   747
                                      THEN
   748
                                               NAM = .NAM[NAM$L_RLf];
                   0834
0835
   749
                                      WHILE .NAM NEG O
   750
                                      DO
                                               BEGIN
                   0836
0837
   751
                                               RNAM = .NAM[NAM$L_RLf];
   752
753
                                               LIBSFREE VM(%REF(NAMSC_BLN+.NAM[NAMSB_RSL]),NAM);
NAM = .RNAM;
                   0838
   754
                   0839
                                               END:
   755
                   0840
                                      END:
   756
757
                   0841
                   0842
                               Parse the null string
```

LIBSFILESCAN V03-024 : 759 : 760 : 761 : 762		d sequence of fremal routine to RING(.FAB); REF(CONTEXT_SIZE	K 13 iles 16-Sep-1984 00:52:15 VAX-11 Bliss-32 V4.0-742 o do find_f 14-Sep-1984 12:38:49 [LIBRTL.SRC]LIBFILSCA.B32;1  E),FAB).	Page 26 (10)
	53 04 00 04	54 000000006 5E BC 00000312 AE 04 52 0C AE 34 2C 2C 08 64 36 AE 28 50 08	001C 00000 FIND_FILE_CLEANUP:DORD	0788 0807 0815 0819 0820 0821 0823
	08 08 04 04 08 FCE5 04	AE 28 08   AE 10 08   50 08   53 10 08   AE 00000060   64 AE    CF	A2 9F 0002A PUSHAB 44(R2) AE 9F 0002D PUSHAB BLOCKSIZE  CALLS #2, LIB\$FREE_VM  63 E9 00033 1\$: BLBC (R3), 3\$  A2 D0 00036 MOVL 40(R2), NAM  AE D0 0003F BEQL 2\$  AO D0 00041 MOVL 16(R0), NAM  AE D0 00046 2\$: MOVL NAM, R0  20 13 0004A BEQL 3\$  AO D0 0004C MOVL 16(R0), RNAM  AE 9F 00050 PUSHAB NAM  AO 9A 00053 MOVZBL 3(R0), 4(SP)  AE 9F 00050 PUSHAB 4(SP)  AE 9F 00060 PUSHAB 4(SP)  O2 FB 00063 CALLS #2, LJB\$FREE_VM  MOVL RNAM, NAM  BBB 2\$  O1 FB 0006E CALLS #1, PARSE_NULL_STRING  AE 9F 00075 PUSHAB FAB  AF 3C 00076 MOVZBL #794, 4(SP)  AE 9F 0007C PUSHAB 4(SP)  O2 FB 0007F CALLS #2, LIB\$FREE_VM  O1 D0 00082 MOVZBL #794, 4(SP)  O2 FB 0007F CALLS #2, LIB\$FREE_VM  O1 D0 00082 MOVZBL #794, 4(SP)  O2 FB 0007F CALLS #2, LIB\$FREE_VM  O1 D0 00082 MOVZBL #794, 4(SP)	0830 0831 0833 0834 0836 0837 0838 0834 0844 0845

; Routine Size: 134 bytes, Routine Base: \_LIB\$CODE + 0356

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```
16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
LIBSFILESCAN
                      Search a file wildcard sequence of files
                                                                                                                          VAX-11 Bliss-32 V4.0-742
V03-024
                      LIBSFIND FILE Find a file given a file name
                                                                                                                          [LIBRTL.SRC]LIBFILSCA.B32:1
                                XSBTTL 'LIBSFIND_FILE Find a file given a file name'; GLOBAL ROUTINE LIBSFIND_FILE(FILE_NAME, RESULT_NAME, CONTEXT,
    764
765
                      0849
0850
0851
    766
767
                                                                            DEFAULT_NAME, RELATED_NAME, STV_ADDR, USER_FLAGS) =
                      0853
0853
0854
0855
0857
    768
                                            This routine is called with a wildcard file specification, which
    769
770
                                            it searches for, and returns the next resultant file spec.
    771
                                   Inputs:
    772
773
                                            FILE_NAME = file name descriptor address.
RESULT_NAME = Result file name descriptor address.
    774
                      0858
    775
                      0859
                                            CONTEXT = Address of a longword containing previous call "context".
                                            = Zero if no previous call.

DEFAULT_NAME = Default file name descriptor address (optional).

RELATED_NAME = Related file name descriptor address (optional).

STV_ADDR = [OPTIONAL] Address of longword to store STV on failing
    776
                      0860
    777
                      0861
                      0862
0863
    778
    779
    780
                      0864
                                                       RMS operation
    781
                      0865
                                            USER_FLAGS = Address of longword of flags to control operation
    782
                                                       [OPTIONAL]
                      0866
                                                      BIT O (NOWILD) Return an error if a wildcard is input
BIT 1 (MULTIPLE) Perform multiple input file stickyness.
In this mode, the RELATED NAME argument is ignored.
Each time LIB$FIND_FILE is called with a different
file specification, the one from the previous call
    783
                      0867
    784
                      0868
    785
                      0869
    786
                      0870
    787
                      0871
    788
                      0872
                                                                   is added to the list of related file specifications.
                      0873
    789
                                                                  This allows parsing of commands such as 
$ ENCRYPT FILE1.TYP,FILE*2.TYP,.
    790
                      0874
    791
                      0875
                                                                  Use of this feature is required to get the desired
    792
                      0876
                                                                  defaulting with searchlists.
    793
                      0877
    794
                      0878
                                                                  Note that LIB$FIND_FILE_END must be called between each command line in interactive use or the defaults
    795
                      0879
    796
                      0880
                                                                  from the previous command line will affect the
    797
                      0881
                                                                  next command line.
    798
                      0882
    799
                      0883
                                   Implicit inputs:
    800
                      0884
    801
                      0885
                                            CONTEXT is either 0 or as set up from a previous call to
                      0886
    802
                                            LIBSFIND_FILE.
    803
                      0887
    804
                      0888
                                   Outputs:
    805
                      0889
    806
                      0890
                                            CONTEXT = Address of internal FAB/NAM buffer.
    807
                      0891
                                            RESULT_NAME = Result file name.
    808
                      0892
                      0893
    809
                                    Implicit outputs:
    810
                      0894
    811
                      0895
                                            CONTEXT will point to a FAB/NAM block
    812
813
                      0896
                      0897
                                    Routine values:
    814
                      0898
    815
                      0899
                                            Any valid RMS error code
    816
                      0900
                                            Error codes returned by LIB$GET_VM
    817
                      0901
                                            Error codes returned by LIB$SCOPY_R_DX
                      0902
    818
                                            SHR$_NOWILD with LIB facility code - Wildcard specification parsed
    819
                                                       and the NOWILD flag bit was set.
    820
                      0904
```

```
M 13
                                                                                           16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
LIB$FILESCAN
                       Search a file wildcard sequence of files
                                                                                                                             VAX-11 Bliss-32 V4.0-742
V03-024
                      LIBSFIND_FILE Find a file given a file name
                                                                                                                             [LIBRTL.SRC]LIBFILSCA.B32;1
                      0906
0907
                                  BEGIN
    824
825
                      0908
                                  BUILTIN
                       0909
                                             NULLPARAMETER:
    826
                       0910
    827
                       0911
                                 LOCAL
                      0912
    828
                                             STATUS,
                                                                                           ! Status
    829
                                             STATUS_O.
                               STATUS 1.
    830
                       0914
    831
                       0915
                                             STATUS 2
    832
833
                      0916
                                             BLOCKSTZĚ
                                                                                              Size of request to lib$get/free vm
                                                                                              User flags
Internal flags
                       0917
                                             FLAGS : BITVECTOR[32]
    834
                       0918
                                              INTFLAGS : REF BITVECTOR,
    835
                       0919
                                              STVADDR : REF VECTOR[,LONG],
                                                                                              Address of user's sty address
                                             STVADDR: REF VECTOR[,LONG]
FNBUF: REF VECTOR[,BYTE],
FNBUF_SIZ,
FILE_SIZE,
FILE_ADDR,
DEFAULT_SIZE,
DEFAULT_ADDR,
RELATED_SIZE,
RELATED_ADDR,
FAB: REF $BBLOCK,
NAM: REF $BBLOCK,
NAM: REF $BBLOCK,
NEXT_STATUS: REF_VECTOR[.L
    836
                       0920
                                                                                              FAB/NAM buffer address
                                                                                              FAB/NAM buffer length
Length of FILE NAME string
Address of FILE NAME string
    837
                       0921
                      0922
    838
    839
                                                                                              Length of DEFAULT NAME string Address of DEFAULT NAME string
    840
                       0924
                       0925
    841
    842
843
                                                                                              Length of RELATED_NAME string
                       0926
                       0927
                                                                                              Address of RELATED_NAME string
    844
845
                       0928
                                                                                              FAB address
                       0929
                                                                                              NAM address
    846
                       0930
                                                                                              Related NAM address
    847
                       0931
                                             NEXT_STATUS : REF VECTOR[,LONG];! Status to return next call
    848
849
                      0932
0933
0934
                                                                    REF VECTOR[,LONG],
REF BLOCK[,BYTE],
REF BLOCK[,BYTE],
REF BLOCK[,BYTE],
                                              CONTEXT:
                                                                                                         Pointer to context block
                                             FILE NAME:
RESULT_NAME:
DEFAULT_NAME:
                                                                                                         File name string descriptor
    850
                      0935
    851
                                                                                                         Result name buffer descriptor
                      0936
0937
0938
0939
    852
853
                                                                                                         Default name descriptor
                                             RELATED_NAME:
                                                                    REF BLOCK[,BYTE];
                                                                                                         Related file name string desc
    854
855
                                  STATUS = 1;
                                                                                                        Preset success
    856
857
                      0940
                                 FILE_SIZE = RELATED_SIZE = DEFAULT_SIZE = 0;
                                                                                                      ! Preset since they are words
                      0941
0942
0943
0944
0945
0946
0948
                                  STVADDR = 0:
    858
                                  IF NOT NULLPARAMETER(6)
    859
    860
                                             STVADDR = .STV_ADDR:
    861
                                  FLAGS = 0:
    862
863
                                 IF NOT NULLPARAMETER (7)
                                 THEN
    864
865
                              2 | If 2 | pre 2 | IF .C
                                             FLAGS = .. USER_FLAGS;
                                    If the specified previous "context" is zero, then there was no previous call, so the FAB/NAM block buffer needs to be allocated.
                       0950
    866
    867
                       0951
                      0952
0953
    868
    869
                                 IF .CONTEXT[0] EQL 0
                       0954
    870
                                             BEGIN
                       0955
                                             STATUS_0 = LIB$GET_VM(%REF(CONTEXT_SIZE),CONTEXT[0]);
IF_NOT_STATUS_0
    871
    872
873
                       0956
                       0957
                                              THEN
                                             RETURN .STATUS_0;

FNBUF = .CONTEXT[0];
CH$FILL(0,CONTEXT_SIZE,.FNBUF);
    874
                       0958
                       0959
    375
    876
                       0960
    877
                       0961
```

LI VO

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 $(1\overline{1})$ 

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LI
VO
```

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```
16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
LIBSFILESCAN
                   Search a file wildcard sequence of files
                                                                                                         VAX-11 Bliss-32 V4.0-742
V03-024
                   LIBSFIND_FILE Find a file given a file name
                                                                                                         [LIBRTL.SPC]LIBFILSCA.B32:1
                   0962
0963
                                      ! Initialize the FAB and NAM blocks
   879
   880
                  0964
                                                         FAB = .FNBUF.
                                      SFAB_INIT(
                  0965
   881
                P
                                                         FOP = NAM,
                                                         NAM = FNBUF[NAM_OFF]);

NAM = FNBUF[NAM_OFF],

RLF = (IF .FLAGS[1] THEN O

_____ELSE_FNBUF[RNAM_OFF]),
   882
883
                   0966
                   0967
                                      SNAM_INIT(
   884
                  0968
   885
                P
                  0969
   886
                P
                  0970
                                                         RSS = NAMSC_MAXRSS
                                                         RSA = FNBUF[RSBUF_OFF],
   887
                P
                  0971
                  0972
   888
                Ρ
                                                         ESS = NAMSC_MAXRSS
                                                         ESA = fNBUF[ESBUF_OFF]);
NAM = FNBUF[RNAM_OFF]);
   889
   890
                   0974
                                      SNAM_INIT(
                   0975
                                      (.FNBUF + STATUS_OFF) = 1;
   891
                   0976
0977
0978
0979
   892
   893
                            ELSE
   894
                                      FNBUF = .CONTEXT[0]:
   895
                   0980
   896
                               Get the block addresses and check the validity of the FAB/NAM buffer.
                   0981
0982
0983
   897
   898
                            FAB = .FNBUF;
   899
                            NAM = FNBUF[NAM_OFF]
                   0984
   900
                            RNAM = FNBUF[RNAM_OFF]
                            NEXT STATUS = FNBUF[STATUS OFF];
INTF[AGS = FNBUF[INTFLAGS UFF];
IF .FAB[FAB$B_B]D] NEQ FAB$C_B]D
                   0985
   901
   902
                   0986
   903
                   0987
                   0988
   904
                            OR .FAB(FAB$B]BLN] NEQ FAB$C]BLN
                   0989
   905
                            THEN
                   0990
   906
                                      RETURN RMS$_FAB;
                   0991
   907
   908
                   0992
   909
                   0993
                               Remember in context if doing multiple related filename processing
                   0994
   910
   911
                   0995
                            INTFLAGS[0] = .FLAGS[1]:
   912
913
                   0996
                   0997
                               Get the length and address of the filename string
                   0998
   914
   915
                   0999
                            IF NOT (STATUS_1 = LIB$ANALYZE_SDESC_R2(.FILE_NAME; FILE_SIZE, FILE_ADDR))
   916
                   1000
                            THEN
   917
                   1001
                                      RETURN .STATUS_1;
                   1002
   918
   919
   920
                   1004
                              If specified, get the length and address of the default filename string
   921
922
923
                   1005
                   1006
                            DEFAULT_ADDR = DEFAULT_SIZE:
                            IF NOT RULLPARAMETER (4)
                   1007
   924
                   1008
                            THEN
   925
                   1009
   926
927
                   1010
                                        Analyze default name descriptor if present
                   1011
                   1012
   928
                                      IF NOT (STATUS = LIB$ANALYZE_SDESC_R2(.DEFAULT_NAME;
   929
                                                                            DEFAULT_SIZE, DEFAULT_ADDR))
   930
                   1014
                                      THEN BEGIN
   931
                   1015
                                                COPY_RESULT_NAME(.FAB,.RESULT_NAME);
   932
933
                   1016
                                                NEXT STATUS[0] = .RMSNMF;
                                                                                    ! Require new fILE_NAME
                   1017
                                                RETURN .STATUS;
   934
                   1018
                                                END:
```

N 13

```
B 14
LIBSFILESCAN
VO3-024
                                                                                       16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
                      Search a file wildcard sequence of files
                                                                                                                        VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                          Page 30 (11)
                      LIBSFIND_FILE Find a file given a file name
                                                                                                                         [LIBRTL.SRC]LIBFILSCA.832:1
   935
936
937
938
                      1020
1021
1022
1023
1024
1025
1026
1027
1028
                                   If specified, get the length and address of the related file spec
                                RELATED_ADDR = RELATED_SIZE;
IF NOT .FLAGS[1]
AND NOT NULLPARAMETER(5)
   939
940
941
943
                                THEN
                                            IF NOT (STATUS = LIB$ANALYZE_SDESC_R2(.RELATED_NAME;
                                                                                       RECATED_SIZE, RELATED_ADDR))
   944
945
                                            THEN BEGIN
                      1029
1030
1031
                                                       COPY_RESULT_NAME(.FAB,.RESULT_NAME);
NEXT_STATUS[0] = .RMSNMF; ! Re
   946
947
948
                                                                                                  ! Require new FILE_NAME
                                                       RETURN .STATUS;
                      1032
                                                       END:
    949
   950
                      1034
                                   If the specified file-name does not match the previous file-name, or if NOWILD, then set up the new filenames and parse them. (Also check for first call and file-name of all blanks)
   951
                      1035
   952
953
                      1036
                      1037
   954
955
                      1038
                      1039
                                IF .FLAGS[0]
   956
                      1040
                                      OR .INTFLAGS[1]
                                      OR CH$NEQ(.FABEFAB$B_FNS],.FABEFAB$L_FNA],
.FILE_SIZE,.FILE_ADDR,'')
OR CH$FAIL(CH$FIND_NOT_CH(.FILE_SIZE,.FILE_ADDR,''))
   957
                      1041
                     1042
   958
   959
                     1044
    960
                                      OR
    961
                                           BIND
                     1046
1047
1048
    962
                                                      DNAM = FNBUF[DNAM_PTR] : REF $BBLOCK;
    963
   964
965
                                            IF (.DNAM EQL 0)
                      1049
                                                       OR (.DEFAULT_SIZE EQL C)
                     1050
    966
                                           THEN
   967
                     1052
1053
1054
1055
   968
                                           ELSE
   969
970
                                                      NOT CHSEQL (.DEFAULT_SIZE,.DEFAULT_ADDR,
                                                                  .DNAM[NAM$B_RSL],.DNAM[NAM$L_RSA],0)
   971
   972
973
                     1056
1057
                                THEN
                                           BEGIN
                                           BIND
   974
                      1058
                                                      DNAM = FNBUF[DNAM_PTR] : REF $BBLOCK;
   975
                      1059
   976
                      1060
                                              If specified, set the default name.
   977
                      1061
   978
                      1062
                                            IF ((.DEFAULT_SIZE NEQ 0)
                                                       AND (TENBUFEDNAM PTR]) <0.32.0> EQL 0))
OR (IF .(FNBUFEDNAM_PTR]) <0.32.0> NEQ 0
    979
    980
                      1064
                      1065
                                                                  THEN NOT CHEERL (.DEFAULT_SIZE,.DEFAULT_ADDR,
    981
    982
                      1066
                                                                                        .DNAM[NAMSB_RSL],.DNAM[NAMSL_RSA],0)
    983
                      1067
                                                                  ELSE 0)
    984
                      1068
                                            THEN
                                                       BEGIN
                                                       FAB[FAB$B_DNS] = .DEFAULT_SIZE;
    985
                      1069
                      1070
    986
                                                       FAB[FAB$L_DNA] = .DEFAULT_ADDR;
    987
                      1071
                      1072
    988
                                            ELSE
    989
                                                       FAB(FAB$B_DNS] = 0;
    990
                      1074
    991
                      1075
                                            ! If there is a previous name string, then delete it. Then
```

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..........

```
C 14
                                                                             16-Sep-1984 00:52:15
LIBSFILESCAN
                                                                                                                                                      Page 31 (11)
                   Sea h a file wildcard sequence of files
                                                                                                          VAX-11 Bliss-32 V4.0-742
V03-024
                   LIBS-IND_FILE find a file given a file name
                                                                             14-Sep-1984 12:38:49
                                                                                                          [LIBRTL.SRC]LIBFILSCA.B32:1
   992
993
                   1076
1077
                                       ! allocate space for new filename string.
   994
                   1078
                                       IF (BLOCKSIZE = .FAB[FAB$B_FNS]) NEQ O
                   1079
   995
                                       THEN
                                                BEGIN
                                                IF .FLAGS[1]
THEN BEGI
   996
                   1080
   997
                   1081
                                                          BEGIN
                   1082
   998
                                                          COPY_FILE_STRING(NAMENAM$L_RLF],.FAB);
   999
                                                          END:
                                                L18$FREE_VM(BLOCKSIZE,FAB[FAG$L_FNA]);
FAB[FAB$B_FNS] = 0;
  1000
                   1084
  1001
                   1085
                   1086
                                                END:
                                      BLOCKSIZE = .FILE_SIZE;

FABCFABSB_FNS] = .BLOCKSIZE;

IF .BLOCKSIZE NEQ 0
  1003
                   1087
  1004
                   1088
  1005
                   1089
                   1090
                                       THEN
  1006
  1007
                   1091
                   1092
  1698
                                                if NOT (STATUS_2 = LIB$GET_VM(BLOCKSIZE,FAB[FAB$L_FNA]))
  1009
                                                THEN
  1010
                   1094
                                                     RETURN .STATUS_2;
                                                CH$MOVE(.FAB[FAB$B_FNS],.FILE_ADDR,.FAB[FAB$L_FNA]);
  1011
                   1095
  1012
                   1096
                                                END:
                   1097
                   1098
  1014
                                         If specified, set the related default name.
                   1099
  1015
  1016
                   1100
                                       IF NOT .FLAGS[1]
                   1101
                                      THEN
                                                BEGIN
                   1102
                                                IF .RELATED SIZE NEQ OTHEN BEGIN
  1018
  1019
  1020
                                                          RNAM[NAM$B_RSL] = .RELATED_SIZE;
RNAM[NAM$L_RSA] = .RELATED_ADDR;
                   1104
                   1105
  1022
                   1106
                   1107
                                                ELSE
  1024
                   1108
                                                          RNAM[NAM$B_RSL] = 0;
                   1109
                                                END:
  1026
                   1110
  1027
                   1111
                   1112
  1028
                                         Parse the file-spec.
  1029
                   1114
                                       INTFLAGS[1] = 0;
INTFLAGS[2] = 0;
  1031
                   1115
                   1116
  1032
                                       NAM[NAM$V_SVCTX] = 1;
                                                                                                ! Save RMS context
  1033
                                       STATUS = $PARSE(FAB = .FAB);
                   1117
                                      NEXT STATUS[0] = .STATUS;
IF .STVADDR NEQ 0
  1034
                   1118
                                                                                                ! Save status for next call
  1035
                   1119
  1036
                   1120
                                       THEN
  1037
                   1121
                                                STVADDR[0] = .FAB[FAB$L_STV];
                   1122
                                       IF NOT .STATUS
  1038
  1039
                                       THEN
                   1124
  1040
                   1125
  1041
                                                COPY_RESULT_NAME(.FAB,.RESULT_NAME);
  1042
                   1126
                                                NEXT_STATUS[0] = .RMSNMF;
                   1127
                                                RETURN .STATUS;
                   1128
  1044
                                                ENC:
                          END;

If error parsing, or from the last search (could have been RMS$_NMF

set because of no wildcarding) deallocate the context unless MUETIPLE.
                   1129
  1045
  1046
  1047
                   1131
  1048
```

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D 14
                                                                          16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
LIBSFILESCAN
VO3-024
                  Search a file wildcard sequence of files
                                                                                                     VAX-11 Bliss-32 V4.0-742
                  LIB-FIND_FILE Find a file given a file name
                                                                                                     [LIBRTL.SRC]LIBFILSCA.B32;1
                  1133
1134
1135
1136
1137
1138
  1049
1050
1051
1052
1053
                              The case of a wildcard directory and SS$_NOPRIV is special cased to
                              allow a search to continue even if a particular directory is not accessable.
                            IF .NEXT_STATUS[0] EQL .RMSNMF
                                     BEGIN
                           THEN
  1054
                                     IF NOT .FLAGS[1]
  1055
                                     THEN
                                              BEGIN
                                              FIND FILE CLEANUP(.CONTEXT);
CONTEXTEOJ = 0;
  1056
                  1140
  1057
                  1141
                  1142
  1058
                                     END;
INTFLAGS[1] = 1;
  1059
                  1144
                                     RETURN . RMSNMF;
  1060
                  1145
  1061
                                     END:
                  1146
  1062
                              Copy the default file string to a nam block at the end of the list of nam blocks if we have not yet done so. If we already
  1063
                  1148
  1064
  1065
                  1149
                              have copied the default string, then just insert it into the
                  1150
  1066
                              list of nam blocks at the current location.
                  1151
  1067
                  1152
  1068
                           IF .FAB[FAB$B DNS] NEQ O
  1069
                                     AND NOT .INTFLAGS[2]
  1070
                  1154
                           THEN
                                     BEGIN
  1071
                  1155
                                     LOCAL
  1072
                  1156
                                              NFAB : $FAB_DECL;
  1073
                  1157
  1074
                  1158
                                     BIND
  1075
                  1159
                                              DNAMPTR = FNBUF[DNAM_PTR] : VECTOR[,LONG];
  1076
                  1160
  1077
                  1161
  1078
                  1162
                                       Setup a dummy fab for copy_file_string. Point default
                  1163
                                       name pointer in the context block to newly created default nam block
  1079
  1080
                  1164
                                     CH$MOVE(FAB$C_BLN,.FAB,NFAB);
NFAB[FAB$B_FNS] = .FAB[FAB$B_DNS];
  1081
                  1165
  1082
                  1166
  1083
                  1167
                                     NFAB[FAB$L_FNA] = .FAB[FAB$L_DNA]
  1084
                  1168
                                     COPY_FILE_STRING(NAM[NAM$L_R[F],NFAB);
                                     DNAMPTR[0] = .NAM[NAMSL_RLF];
  1085
                  1169
  1086
                  1170
                                     END:
  1087
                  1171
                  1172
                           IF .NAM[NAM$V_WILD_VER]
  1088
                                     AND NOT .INTFLAGS[2]
  1089
  1090
                  1174
                           THEN
                                     BEGIN
                  1175
  1091
                                     INTFLAGS[2] = 1;
  1092
                  1176
                                     FAB[FAB$B_DNS] = %CHARCOUNT(';*');
                  1177
  1093
                                     FAB[FAB$L_DNA] = WILD_VER;
                  1178
  1094
                                     END:
  1095
                  1179
  1096
                  1180
                              If the device is non-directory structured, or the file is a PPF file,
  1097
                  1181
                              then simply return to the caller and avoid the SEARCH sequence.
                  1182
1183
  1098
  1099
                            if Not .(fAB[fAB$L_DEV])<$BITPOSITION(DEV$V_DIR),1>
                  1184
                            EDONTY NAM[NAMSV_NODE]
  1100
                           OR . (FABEFABSL_DEV]) < $BITPOSITION (DEV$V_FOR), 1>
                  1185
  1101
1102
1103
1104
1105
                            OR .NAM[NAM$V_PPF]
                  1186
                  1187
                            THEN
                                     BEGIN
                   1188
                                     NEXT_STATUS[0] = .RMSNMF:
                                                                                            ! No more files on next call
                   1189
                                     COPY_RESULT_NAME(.FAB,.RESULT_NAME);
```

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```
16-Sep-1984 00:52:15
14-Sep-1984 12:38:49
LIBSFILESCAN
                  Search a file wildcard sequence of files
                                                                                                  VAX-11 Bliss-32 V4.0-742
V03-024
                  LIBSFIND_FILE Find a file given a file name
                                                                                                  [LIBRTL.SRC]LIBFILSCA.B32;1
: 1106
                                   RETURN .STATUS;
; 1107
                  1191
                                   END:
                  1192
; 1108
; 1109
                             If wildcard processing is not wanted, check for it and return an
                  1194
; 1110
                             error if so.
                  1195
; 1111
                  1196
1197
                           IF .FLAGS[0]
: 1112
                           AND .NAMENAMSV_WILDCARD]
: 1113
                  1198
; 1114
                                   BEGIN
                                   NEXT_STATUS[0] = .RMSNMF;
COPY_RESULT_NAME(.FAB,.RESULT_NAME);
RETURN_LIB$_NOW!LD;
                  1199
: 1115
                  1200
  1116
                  1201
: 1117
: 1118
                                   END:
; 1119
; 1120
                             Search for the next file, unless it is a non-wildcard remote file,
: 1121
                             in which case, don't bother because it's so expensive.
  1122
  1123
                           IF NOT (.NAM[NAM$v_NODE] AND NOT .NAM[NAM$v_WILDCARD])
  1124
                           THEN
  1125
                  1209
                                   STATUS = $SEARCH(FAB = .FAB);
  1126
  1127
                             Return the STV in case of an error
  1128
  1129
                           IF NOT .STATUS
  1130
                           AND (.STVADDR NEQ 0)
  1131
                           THEN
                                   STVADDR[0] = .FAB[FAB$L_STV];
                  1217
  1134
                  1218
                             If privilege violation and non-wildcard directory spec then
  1136
                             set to return no more files on next call.
  1137
                          IF NOT .STATUS
AND NOT (.NAMENAMSV_WILD_DIR] AND (.FABEFAB$L_STV] EQL SS$_NOPRIV))
  1138
  1139
  1140
                          THEN
                                   BEGIN
  1141
                                   NEXT_STATUS[0] = .RMSNMF;
                                                                                         ! No more files on next call
                  1226
  1142
  1143
                             If the filespec is non-wildcarded, set status so next call will return
  1144
                             no more files.
  1145
  1146
  1147
                           IF NOT .NAM[NAM$V_WILDCARD]
  1148
                           THEN
  1149
                                   BEGIN
                                   NEXT_STATUS[0] = .RMSNMF;
  1150
  1151
                                   END:
  1152
  1153
                             Return the result name. If the result name isn't set, return the expanded
  1154
  1155
  1156
                           COPY_RESULT_NAME(.FAB,.RESULT_NAME);
  1157
  1158
1159
                             If no more files and not MULTIPLE, deallocate the FAB/NAM buffer
                           IF .STATUS EQL .RMSNMF
AND NOT .FLAGS[1]
  1160
  1161
; 1161
; 1162
                           THEN
                                   BEGIN
```

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: 1163 : 1164 : 1165 : 1166 : 1167 : 1168 : 1169

LIBSFILESCAN VO3-024

					0	FFC	00000		.ENTRY	LIB\$FIND_FILE, Save R2,R3,R4,R5,R6,R7,R8,-	; 0849
			5E	98	01	9E DD	00006		MOVAB PUSHL	R9,R10,RT1 -104(SP), SP #1	0939
			06	10	7 <u>°</u> 0°C	7C 7C 91	00008 0000B 0000D		CLRQ CLRQ CMPB	DEFAULT_SIZE STVADDR (AP), #6	: 0940 : 0941 : 0942
				18	09 AC 04	1F D5 13			BLSSU TSTL BEQL	1\$ 24(AP) 1\$	
			6E	18 14	AC AE	D0 D4	00017 0001B	1\$:	MOVL CLRL	STV_ADDR, STVADDR FLAGS	0944
			07	16	6C 0A	91 1F	0001E 00021		CMPB BLSSU	(AP), #7 2\$ 28(AP)	0946
			14 AE	1 C 1 C 0 C	AC 05 BC BC	D5 13 D0	00026 00028	24	TSTL BEQL Movl	2\$ auser_flags, flags	0948
				OC.	03	D5 13 31	00030		TSTL BEQL Brw	acontext 3\$ 7\$	0953
			14 AE	0C 031A 14	AC	DD 3C 9F	00032 00035 00038 0003E	<b>3\$</b> :	PUSHL MOVZWL PUSHAB	CONTEXT #794, 20(SP) 20(SP)	0955
		00	0000000G 00 01	,,4	02 50	FB E8	00041 00048		CALLS BLBS	#2, LIB\$GET_VM STATUS_0, 4\$	0956
031A	8F	00	56 6E	00	BC 00 66	04 D0 2C	0004B 0004C 00050 00057	45:	RET MOVL MOVC5	acontext, fnbuf #0, (SP), #0, #794, (fnbuf)	0959 0960
0050	8F	00	6E		00	20	00058 0005F		MOVC5	#0, (SP), #0, #80, (FNBUF)	0966
			04 A6 16 A6 1F A6	5003 01000000	RF	B0 D0 90 90	00060 00065 0006D		MOVW MOVL MOVB MOVB	#20483, (FNBUF) #16777216, 4(FNBUF) #2, 22(FNBUF) #2, 31(FNBUF)	
0060	8F	00	1F A6 57 28 A6 6E	50	57 00	9E 00	00075 00079 0007D		MOVĀB MOVL MOVC5	80(R6), R7 R7, 40(FNBUF) #0, (SP), #0, #96, (R7)	0973
			67 02 A7 04 A7	6002 020f	01	8E	00084 00085 0008A 0008E		MOVW MNEGB MOVAB	#24578, (R7) #1, 2(R7) 527(R6), 4(R7)	:
		04	02 A7 04 A7 0A A7 0C A7 14 AE	0110	01	8E	00094 00098		MNEGB MOVAB BBC	#24578, (R7) #1, 2(R7) 527(R6), 4(R7) #1, 10(R7) 272(R6), 12(R7) #1, FLAGS, 5\$	:

LIBSFILESCAN VO3-024	Search a file LIB\$FIND_FILE	wildcard sequence find a file	uence of files given a file r	i 1 name 1	G 14 6-Sep-19 4-Sep-19	84 00:52 84 12:38	:15 VAX-11 Bliss-32 V4.0-742 :49 [LIBRTL.SRC]LIBFILSCA.B32;1	Page 35 (11)
0060 8F	00	10 A7 57 6E	00B0 C6 00B0 C6 58 00B0 C6 00 67	D4 000A3 11 000A5 9E 000A7 D0 000AC 9E 000B0 2C 000B5	5\$: 6\$:	CLRL BRB MOVAB MOVAB MOVC5	R8 6\$ 176(R6), R8 R8, 16(R7) 176(FNBUF), R7 #0, (SP), #0, #96, (R7)	0974
		030E 67 66 56	6002 8F 01 04	000BC B0 000BD D0 000C2 11 000C7 D0 000C9	<b>7\$</b> :	MOVW MOVL BRB MOVL	#24578, (R7) #1, 782(FNBUF) 8\$ @CONTEXT, FNBUF	. 0975 . 0953 . 0978
		56 58 57 58 59 5A 03	0C BC 56 50 A6 00B0 C6 030E C6 0312 C6 6B 07 01 AB	DO 000CD 9E 000D0 9E 000D9 9E 000DE 91 000E3 12 000E6 91 000E8		MOVL MOVAB MOVAB MOVAB CMPB BNEQ CMPB	FNBUF, FAB 80(R6), NAM 176(R6), RNAM 782(R6), NEXT_STATUS 786(R6), INTFLAGS (FAB), #3 9\$ 1(FAB), #80	0982 0983 0984 0985 0986 0987
			01 ÅB 08 0001850C 8F	13 000ED DO 000EF 04 000F6	<b>9\$</b> :	BEQL MOVL Ret	10 <b>\$</b> #99596, RO	0990
50 6A	14 AE 01	01 00 50 04 AE 0C AE 01	01 50 04 000000000 51 52 50	EF 000F7 F0 000FD D0 00102 16 00106 D0 00110 D0 00110 E8 00114	10\$:	EXTZV INSV MOVL JSB MOVL MOVL BLBS	#1, #1, FLAGS, RO RO, #0, #1, (INTFLAGS) FILE_NAME, RO LIB\$ANALYZE_SDESC_R2 R1, 4(SP) R2, 12(SP) STATUS_1, 11\$	0995 0999
		55 04	18 AE 6C 1E 10 AC 19	04 00117 9E 00118 91 0011C 1F 0011F D5 00121 13 00124	11\$:	RET MOVAB CMPB BLSSU TSTL BEQL	DEFAULT_SIZE, DEFAULT_ADDR (AP), #4 12\$ 16(AP) 12\$	1006 1007
		08 AE 55 18 AE 2A		DO 00126 16 0012A DO 00130 DO 00137 E9 0013B 9E 0013F E0 00144 91 00149		MÖVL JSB MOVL MOVL MOVL BLBC	DEFAULT_NAME, RO LIB\$ANALYZE_SDESC_R2 RO, STATUS R2, R5 R1, DEFAULT_SIZE STATUS, 13\$ RELATED_SIZE, RELATED_ADDR #1, FLAGS, 14\$ (AP), #5	1012
	27	10 ĀE 14 ĀE 05	08 AE 1C AE 01 6C 22 14 AC 1D	1F 00140		MOVAB BBS CMPB BLSSU TSTL	20(AP)	1022   1023 1024
		08 AE 10 AE 10 AE 03	14 AC 000000000 00 50 52 51	D5 0014E 13 00151 D0 00153 16 00157 D0 0015D D0 00161 D0 00165		BEQL MOVL JSB MOVL MOVL MOVL	14\$ RELATED_NAME, RO LIB\$ANA[YZE_SDESC_R2 RO, STATUS R2, 16(SP) R1, RELATED_SIZE STATUS, 14\$	1026
	3A	03 3E 6A 50	08 ÁÉ 0101 14 ÁE 01 34 ÁB	DO 00165 E8 00169 31 0016D E8 00170 E0 00174 9A 00178	13\$: 14\$:	BLBS BRW BLBS BBS MOVZBL	STATUS, 14\$ 29\$ FLAGS, 17\$ #1, (INTFLAGS), 17\$ 52(FAB), RO	1039 1040 1041

L I 1 -

LIBSFILESCAN VO3-024	Search LIB\$FIN	a file D_FILE	wildcard Find a f	sequ	uence of given a f	files ile r	; name	10	1 14 5-Sep-1 4-Sep-1	984 00:52 984 12:38	2:15 VAX-11 Bliss-32 V4.0-742 Pag 8:49 [LIBRTL.SRC]LIBFILSCA.B32;1	e 36
04 AE		20	<b>2</b> C	88	00	50 BE	20	0017¢ 00183		CMPC5	RO, a44(FAB), #32, FILE_SIZE, aFILE_ADDR :	
	OC	BE	04	AE		BE 28 20 25 51 51	12 3B 12 04 05	00185 00187 00180 0018F 00191	15\$:	BNEQ SKPC BNEQ CLRL TSTL	17\$ #32, FILE_SIZE, @FILE_ADDR 15\$ R1 R1	1043
				50	0316	1D C6 11	13 00	00195		BEQL MOVL	17 <b>\$</b> 790(FNBUF), RO	1048
					18	AE OC	13 05 13	0019C		BEQL TSTL BEOL	16\$ DEFAULT_SIZE 16\$	1049
51		00		51 65	03 18 04	AO AE BO O3	9A 2D	001A1	16\$:	BEQL MOVZBL CMPC5 BNEQ	3(RO), R1 DEFAULT_SIZE, (DEFAULT_ADDR), #0, R1, - a4(RO) 17\$	1054 1053
				50 54	0316 18	00D1 6	31 9E	001AF 001B2		BRW MOVAB	30\$ 790(FNBUF), RO	1058 1062
				74	10	AE 04 60	D0 13 D5			MOVL BEQL TSTL	DEFAULT_SIZE, R4 18\$ (RO)	1063
						14 60 1A	13 05	001BF 001C1	18\$:	BEQL TSTL	19 <b>\$</b> (RO)	1064
				50 51	0.7	60		00105		BEQL MOVL	20 <b>\$</b> (RO), RO	1066
51		00		65	03 04	A0 54 B0	9A 2D			MOVZBL CMPC5	3(RO), R1 R4, (DEFAULT_ADDR), #0, R1, @4(RO)	1065
			35 30	AB AB		0A 54 55 03 AB	13 90 00 11	001D3 001D5 001D9 001DD		BEQL MOVB MOVL BRB	20\$ R4, 53(FAB) DEFAULT_ADDR, 48(FAB) 21\$	1069 1070 1062 1073 1078
			20	AE	35 34	AB	94 9A	001DF	20 <b>\$</b> : 21 <b>\$</b> :	BRB CLRB MOVZBL	21\$ 53(FAB) 52(FAB), BLOCKSIZE 23\$	1073 1078
		0A	14	AE		1 F 0 1	15 E1	001E2 001E7 001E9		BEQL BBC	#1, FLAGS, 22\$;	1080 1082
			FA34	CF	10 20 24	A7 02 AB	9F FB	001EE 001F0 001F3 001F8	22\$:	PUSHAB CALLS PUSHAB	#2, COPY FILE_STRING ;	1082
		0	90000000	00		02 AB	FB 94	001FE		PUSHAB CALLS	BLUCKSIZE #2, LIB\$FREE_VM 53/FAR	1085
			20 34	AB AE	34 04 20 20	5B70BE2BAEEB	00 90 05	001FB 001FE 00205 00208 00212 00215 00217	23\$:	CLRB MOVL MOVB TSTL	BLOCKSIZE #2, LIB\$FREE_VM 52(FAB) FILE_SIZE, BLOCKSIZE BLOCKSIZE, 52(FAB) BLOCKSIZE	1085 1087 1088 1089
		C	00000000	00 01	2C 24	AB AE 02 50	Ę8	00224		BEQL PUSHAB PUSHAB CALLS BLBS	25\$ 44(FAB) BLOCKSIZE #2, LIB\$GET_VM STATUS_2, 24\$	1092
	20	<u>pp</u>	٥r	50 BE AE	34	AB 50 01	04 9A 28	00228	24\$:	RET MOVZBL MOVC3	52(FAB), RO RO AFTIF ADDR 244(FAB)	1095
	26	88 14	0C 14	AÉ	16	01 AE 0C	E0 05 13	0022C 00232 00237 0023A	25\$:	BBS TSTL BEQL	52(FAB), RO RO, AFILE_ADDR, A44(FAB) #1, FLAGS, 27\$ RELATED_SIZE 26\$	1100 <sup>1</sup> 1102

LIBSFILESCAN VO3-024	Search a	file _FI_E	wildcard Find a f	seque ile gi	nce of ven a 1	file:	s name	1	I 14 6-Sep-1 4-Sep-1	984   00:52   984   12:38	:15	VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1	Page (	37 11)
			03 04	8A 8A	1 C 1 O	AE 03	90 00	00241		MOVB MOVL	RELA	TED_SIZE, 3(RNAM) TED_ADDR, 4(RNAM)	; 1	104 105
			33	6A A7	03 80	03 A8 06 8F 5B	11 94 88 88	00246 00248 00248	26 <b>\$</b> :	BRB CLRB BICB2 BISB2 PUSHL	3(RN #6 #128		1 1 1	102 108 115 116
I		0	0000000G 08	00 AE 69	08	01	88 DD FB DO D5	0025C 00260		PUSHL CALLS MOVL MOVL TSTL	FAB #1, RO, STAT	SYS\$PARSE STATUS US, (NEXT_STATUS)	1	117
			00	BE 12	0C 08 08	50 AEE 05 AEC 50 80 80 80 80 80 80 80 80 80 80 80 80 80	13 00 E8	00266 00268 00260	285:	BEQL MOVL BLBS PUSHL	STAT	AB), astvaddr us, 30\$ ult_name	. 1	119 121 122 125
			FCC5	CF 69	F9A5	0105	DD FB DO 31	00274 00276 00278 00280 00283		PUSHL CALLS MOVL BRW	FAB #2, RMSN 45\$	COPY_RESULT_NAME IMF, (NEXT_STATUS)	1	126 127
		0B	F99C 14	CF AE	00	69 19 01 AC	D1 12 E0 DD	00283 00288 0028A 0028F 00292		CMPL BNEQ BBS PUSHL	#1, CONT	T_STATUS), RMSNMF FLAGS, 31\$ EXT	1	136 138 140
			FCE3	CF 6A 50	0C F983	01 BC 02 CF	04 88 00 04	0029A	315:	CALLS CLRL BISB2 MOVL	#2,	FIND_FILE_CLEANUP ITEXT (INTFLAGS) IMF, RO	; 1	141 143 144
		22 <b>A</b> E		6 <b>A</b>	35	AB 26 02	95 13	002A3		RET TSTB BEQL BBS	53(F 33\$ #2,	(INTFLAGS), 33\$	•	152 153
	24	AE	58 50	6B AE AE	0050 35 30 24 10	AB 26 8F AB AB AF A7	28 90 00 9f	002AC 002B3 002B8 002BD 002C0		MOVC3 MOVB MOVL	#80, 53(f 48(f	(FAB), NFAB AB), NFAB+52 AR) NFAR+44	1 1	153 165 166 167 168
		11	F964 0316	CF C6 52 62	10 10 34	02 A7 A7	96	002CB	33\$:	PUSHAB PUSHAB CALLS MOVL MOVAB BBC	#2, 16(N 52(N	AM) COPY_FILE_STRING AM), 790(FNBUF) AM), R2 (R2), 34\$	. 1	169 172
		11 0D	35 30 40	6A 6A AB AB AB 62	F 943	03 02 04 02 CF 03	YŁ	00202 00206 00200 00200 002E1 002E7		BBS BISB2 MOVB MOVAB	#2, #4, #2, WILD	(INTFLAGS), 34\$ (INTFLAGS) 53(FAB) _VER, 48(FAB)	1 1 1	173 175 176 177
		04 08	40	04 11	43 02	11	E0 E1 E8 E9	002E7 002E0 002F0 002F4	34 <b>\$</b> : 35 <b>\$</b> :	BBS BBC BLBS BLBC	#3, #17, 67(F) 2(R2	AM), 790(FNBUF) AM), R2 (R2), 34\$ (INTFLAGS), 34\$ (INTFLAGS) 53(FAB) VER, 48(FAB) 64(FAB), 35\$ (R2), 36\$ AB), 36\$ MF, (NEXT_STATUS) UT_NAME COPY_RESULT_NAME	1	183 184 185 186 188 189
			FC39	69 CF	F 9 2 8 0 8	AB A2 CF AC 5B	DD DD FB	002E7 002E0 002F0 002F0 00300 00307 00307	. 30 <b>≯:</b>	MOVL PUSHL PUSHL CALLS BRB	RESU FAB #2 45\$	LT_NAME  COPY_RESULT_NAME		189
				1B 17 69	14 01 F 90F 08	AE A2 CF AC	E9 E9 D0	00309 00300 00311 00316		BLBC BLBC MOVL PUSHL	FLAG 1(R2 RMSN	S, 38\$ ), 38\$ MF, (NEXT_STATUS) LT_NAME	: 1	196 197 199 200

:15 VAX-11 9liss-32 V4.0-742 :49 [LIBRTL.SRC]LIBFILSCA.B32;1	Page 38 (11)
FAB #2, COPY_RESULT_NAME #1380650, RO	; 1201
#17, (R2), 39\$	1201 1207
1(R2), 40\$ FAB #1, SYS\$SEARCH	1209
RO, STATUS STATUS, 43\$ SIVADDR	; 1213 ; 1214
41\$ 12(FAB), astvaddr STATUS, 43\$ #20, (R2), 42\$ 12(FAB), #36 43\$	1216 1222 1223
12(FAB), #36 43\$ RMSNMF, (NEXT_STATUS)	•
RMSNMF, (NEXT_STATUS) 1(R2), 44\$ RMSNMF, (NEXT_STATUS) RESULT_NAME FAB	1225 1231 1234 1240
#2, CUPY_RESULT_NAME STATUS, RMSNMF	1244
45\$ #1, FLAGS, 45\$ CONTEXT	1245 1247
#1, FIND_FILE_CLEANUP acontext status, ro	1248 1251 1253

16-Sep-1984 00:52:15 14-Sep-1984 12:38:49

PUSHL CALLS

MOVL

RET

BBC

BLBC PUSHL CALLS

MOVL

BLBS BEQL

MOVL

BLBS BBC

CMPL

BEQL

MOVL

BLBS

MOVL

PUSHL

PUSHL

CALLS

CMPL

BNEQ

BBS

PUSHL

CALLS

CLRL

MOVL

RET

0034A 41\$: 0034E 00352

13 00356 D0 00358 42\$: E8 0035D 43\$: D0 00361

DD 00366 44\$:

00369

0036B

00370

00376

00378

0037D

00380

00385

0038C

00388 45\$:

5B 02 8F

A2 5B

ÕĪ

ŠÒ

AE 6E 05

AB

AE

14

AB

05

CF

A2 CF

AC 5B 02 AE

10

01

AC 01

BC

AE

01

08

08

00

01

08

80

00

**8**0

F8C8

F8BF

f B

04

E1 E9 DD

FB

DŎ

E8 D5 13

DÕ

E8

ĒĪ

D1

DD

FB

DĪ

12 E0

DD

FB

**D4** 

DO

04

; Routine Size: 909 bytes, Routine Base: \_LIB\$CODE + 03DC

Search a file wildcard sequence of files LIB\$FIND\_FILE Find a file given a file name

ŎĎ

00

ĂĔ 1C

ŌĒ

62

24

69

Õ5

69

CF

AE

CF

50

CF 50 0015112A

FC20

0000000G

ŎŠ

00

FBD0

F8AE

FBF5

14

04

06

08

LIBSFILESCAN

V03-024

```
LIBSFILESCAN
VO3-024
                      Search a file wildcard sequence of files 16-Sep-1984 00:52:15
LIB$FILE_SCAN_END Clean up after LIB$FILE_SCAN 14-Sep-1984 12:38:49
                                                                                                                           VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
                                                                                                                                                                              Page 39 (12)
                                 **SBTTL 'LIB$FILE_SCAN_END Clean up after LIB$FILE_SCAN'; GLOBAL ROUTINE LIB$FILE_SCAN_END(FAB,CONTEXT) =
                      1172
                                            This routine is called after using LIB$FILE_SCAN. It performs a parse of the null string to deallocate any saved RMS context. If LIB$FILE_SCAN was directed to perform multiple input file specification processing, the saved file specifications are
  1174
  1175
  1176
  1177
  1178
                                             deallocated.
  1179
  1180
                                    Calling sequence:
  1181
  1182
                                             status.wl = lib$file_scan_end(fab,context.wl.r)
  1184
                                    Inputs:
  1185
                      1268
                      1269
  1186
                                             fab = [OPTIONAL] Address of the FAB used with LIB$FILE_SCAN
  1187
                      1270
                                             context = [OPTIONAL] Address of the context used with LTB$FILE SCAN
  1188
                      1271
                      1272
  1189
                                    Outputs:
  1190
                      1274
  1191
                                             ANCH
                      1275
  1192
  1193
                      1276
                                    Implicit outputs:
                      1277
  1194
  1195
                      1278
                                             Saved context deallocated if context argument is supplied.
  1196
  1197
                      1280
                                    Routine values:
  1198
                      1281
                      1282
  1199
                                             RMS$_FAB
                                                                   fab argument is not address of a valid FAB
  1200
                                             success
                      1284
  1201
                                 i ---
  1202
                                 BEGIN
                      1286
                                 BUILTIN
  1204
  1205
1206
                      1288
                                            NULLPARAMETER:
                      1289
1290
  1207
1208
1209
                                 LOCAL
                      1291
                                             RNAM : REF $BBLOCK,
                      1292
                                            NAM : REF $BBLOCK:
  1210
  1211
                      1294
                                 MAP
                       1295
                                             FAB : REF $BBLOCK,
CONTEXT : REF VECTOR[,LONG];
  1212
  1213
                       1296
  1214
                       1297
  1215
  1216
                                    Ensure it's a FAB
  1217
                       1300
                      1301
1302
1303
1304
1305
1306
1308
  1218
                                 IF NOT NULLPARAMETER(1)
  1219
                                 THEN
                                             BEGIN
  1221
1222
1223
1224
1225
1226
1227
                                             IF .FAB(FAB$B_BID) NEQ FAB$C_BID
                                                  OR .FAB(FAB$B_BLN) NEQ FAB$C_BLN
                                             THEN
                                                        RETURN RMS$_FAB;
                       1309
                                    Parse the null string
```

```
Search a file wildcard sequence of files 16-Sep-1984 00:52:15
LIB$FILE_SCAN_END Clean up after LIB$FILE_SCAN 14-Sep-1984 12:38.49
                                                                                        14
LIBSFILESCAN
VO3-024
                                                                                                                    VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
                                                                                                                                                                    Page 40
                                                                                                                                                                          (12)
 1311
1313
1314
1316
1316
1317
1320
1321
1323
                                          PARSE_NULL_STRING(.fAB);
                                  If supplied, deallocate any input file context
                               IF NOT NULLPARAMETER(2)
                                          BEGIN
NAM =
                               THEN
                                          NAM = .CONTEXT[0];
WHILE .NAM NEQ 0
                                                     BEGIN
                                          00
                                                    RNAM = .NAM[NAM$L RLf];
LIB$free_vm(%ref(NAM$C_BLN+.NAM[NAM$B_RSL]),NAM);
NAM = .RNAM;
                                                     END:
                                             Zero the context
                                          CONTEXT[0] = 0:
                                          END:
                               RETURN SS$_NORMAL
                     1330
  1248
                     1331
                               END:
                                                                         0004 00000
                                                                                                                                                                          1255
                                                                                                  .ENTRY
                                                                                                            LIB$FILE_SCAN_END, Save R2
                                                                           C2
95
                                                   5E
                                                                               00002
                                                                                                  SUBL 2
                                                                                                             #8. SP
                                                                               00005
                                                                                                             (AP)
                                                                                                                                                                          1301
                                                                                                  TSTB
                                                                           13
                                                                      24
                                                                               00007
                                                                                                             3$
                                                                                                  BEQL
                                                                      AC
1F
                                                                           D5
13
                                                                               00009
                                                                                                  TSTL
                                                                                                             4(AP)
                                                               04
                                                                               0000C
                                                                                                  BEQL
                                                                                                             3$
                                                   50
03
                                                                                                            FAB, RO
(RO), #3
                                                                                                                                                                          1304
                                                               04
                                                                           D0
                                                                               0000E
                                                                                                  MOVL
                                                                      60
07
                                                                           91
                                                                               00012
                                                                                                  CMPB
                                                                           12
                                                                               00015
                                                                                                  BNEQ
                                             50
                                                   8F
                                                               01
                                                                      A0
                                                                               00017
                                                                                                  CMPB
                                                                                                             1(RO), #80
                                                                                                                                                                          1305
                                                                      08
                                                                           13
                                                                               0001C
                                                                                                  BEQL
                                                   50 0001850C
                                                                                                             #99596, RO
                                                                                                                                                                          1307
                                                                      8F
                                                                           D0
                                                                               0001E 1$:
                                                                                                  MOVL
                                                                            04
                                                                               00025
                                                                                                  RET
                                                                                                                                                                          1311
                                                                           DD
                                                                               95000
                                                                                                  PUSHL
                                                                           FB 91
                                                                                                            #1, PARSE_NULL_STRING
                                          F918
                                                   CF
02
                                                                      01
                                                                               00028
                                                                                                  CALLS
                                                                      6C
37
                                                                               00020 35:
                                                                                                                                                                          1316
                                                                                                  CMPB
                                                                                                             (AP), #2
                                                                               00030
                                                                           1F
                                                                                                  BLSSU
                                                                                                             6$
                                                                           D5
13
                                                                               00032
00035
                                                                      AC
32
                                                                                                             8(AP)
                                                               08
                                                                                                  TSTL
                                                                                                  BEQL
                                                                                                             6$
                                                                                                                                                                          1318
1319
                                             04
                                                   AE
50
                                                                               00037
                                                                                                  MOVL
                                                                                                             acontext, NAM
                                                                      BC
                                                                           D0
                                                                      AE
24
                                                                04
                                                                               0003C 45:
                                                                           DO
                                                                                                  MOVL
                                                                                                             NAM, RO
                                                                           13
                                                                               00040
                                                                                                  BEQL
                                                                                                                                                                         1321
1322
                                                    52
                                                                10
                                                                                                             16(RO), RNAM
                                                                      A0
                                                                           DO 00042
                                                                                                  MOVL
                                                                04
                                                                      AE
AO
                                                                            9F
                                                                               00046
                                                                                                  PUSHAB
                                                                                                            NAM
                                                                Ŏ3
                                                                           94
                                                                                                  MOVZBL
ADDL2
                                                                                                            3(RO), 4(SP)
#96, 4(SP)
                                                                               00049
                                                                      8F
                                                       00000060
                                                                            CO
                                                                               0004E
                                                                      AE
02
52
                                                                           9F
                                                                               00056
                                                                                                  PUSHĀB
                                                                                                             4(SP)
                                                   00
AE
                                     0000000G
                                                                               00059
                                                                                                             #2. LIB$FREE_VM
                                                                           FB
                                                                                                  CALLS
                                                                               00060
                                                                                                  MOVL
                                                                           DO
                                                                                                             RNAM, NAM
```

11

**D4** 

08

00064

00066 5\$:

BRB

CLRL

**a**CONTEXT

M 14
Search a file wildcard sequence of files 16-Sep-1984 00:52:15 VAX-11 Bliss-32 V4.0-742
LIB\$FILE\_SCAN\_END Clean up after LIB\$FILE\_SCAN 14-Sep-1984 12:38:49 [LIBRTL.SRC]LIBFILSCA.B32;1

01 D0 00069 6\$: MOVL RET

#1, R0

; 1330 ; 1331

Page 41 (12)

; Routine Size: 109 bytes. Routine Base: \_LIB\$CODE + 0769

50

LIBSFILESCAN VO3-024

```
N 14
LIBSFILESCAN
VO3-024
                      Search a file wildcard sequence of files 16-Sep-1984 00:52:15
LIB$FIND_FILE_END Clean up after LIB$FIND_FILE 14-Sep-1984 12:38:49
                                                                                                                            VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1
                                                                                                                                                                               Page 42 (13)
                                 **SBTTL 'LIB$FIND_FILE_END Clean up after LIB$FIND_FILE'; GLOBAL ROUTINE LIB$FIND_FILE_END(CONTEXT) =
  1250
1253
1253
1255
1255
1255
1256
1266
1266
1266
1270
                                             This routine is called after using LIB$FIND_FILE. It performs a parse of the null string to deallocate any saved RMS context,
                                             and then the allocated context block is deallocated.
                                    Calling sequence:
                                             status.wl = lib$find_file_end(context.wl.r)
                                    inputs:
                                             context = Address of the context used with LIB$FIND_FILE
                                    Outputs:
                                             NONE
                      1350
                                    Implicit outputs:
  1271
                      1353
                                             Saved context deallocated.
  1272
                      1354
                      1355
                                    Routine values:
  1274
                      1356
  1275
1276
1277
1278
1279
1281
1283
1283
1286
1288
1289
1291
                      1357
                                             RMS$_FAB
                                                                   context points to an invalid context block
                      1358
                                             success
                      1359
                      1360
1361
1362
1363
1364
1365
1366
1367
1368
1370
                                 BEGIN
                                 MAP
                                             CONTEXT : REF VECTOR[,LONG];
                                 LOCAL
                                             FAB : REF $BBLOCK;
                                    If context is 0, nothing to do
                                 IF .CONTEXT[0] EQL 0
                                 THEN
                                             RETURN SS$_NORMAL;
                      1372
                                    Formula that context points to a FAB
  1292
                      1374
                                 FAB = .CONTEXT[0];
IF .FAB[FAB$B_BID] NEQ FAB$C_BID
OR .FAB[FAB$B_BLN] NEQ FAB$C_BLN
  1293
                      1375
  1294
                      1376
                      1377
  1295
                      1378
  1296
                                 THEN
  1297
                      1379
                                             RETURN RMS$_FAB;
  1298
                      1380
  1299
                      1381
                                    Do most of the work
                      1382
  1300
  1301
                                 fIND_fILE_CLEANUP(.CONTEXT);
  1302
                      1384
  1303
                      1385
                                    Zero the context pointer
  1304
                      1386
  1305
                      1387
                                 CONTEXT[0] = 0:
  1306
                      1388
                                 RETURN SS$_NORMAL
```

LIBSFILESCAN V03-024 ; 1307	Search a file wildcard sequ LIB\$FIND_FILE_END Clean up 1389 1 END;	ence of files after LIB\$FIND_FI	B 15 16-Sep-198 E 14-Sep-198	4 00:52:15 4 12:38:49	VAX-11 Bliss-32 V4.0-742 ELIBRTL.SRCJLIBFILSCA 932;1	Page 43 (13)
; Routine Size	fB58 Cf 50 : 46 bytes, Rnutine Base:	04 AC DO (62 D5) 20 13 (62 D0) 62 D0 (60 91) 07 12 (01 A0 91) 08 13 (08 13) 001850C 8F DO (04 (62 D4) 01 DO (04 (62 D4) 01 DO (04 (62 D4)	00002 00008 0000A 0000D 00010 00012 00017 00019 00020 00021 2\$:	MOVL CONTI TSTL (R2) BEQL 3\$ MOVL (R2) CMPB (FAB) BNEQ 1\$ CMPB 1(FAB) BEQL 2\$ MOVL #9959	FIND_FILE_END, Save R2 EXT, R2  FAB  6, #3  B), #80  96, R0  FIND_FILE_CLEANUP  R0	1375 1376 1377 1379 1383 1387 1388 1389
; 1308  : Name : _LIB\$CODE	Bytes	T SUMMARY NOVEC,NOWRT, RD	FMG\$FILE Attributes EXE, SER,		_IB\$FILE_SCAN  CON, PIC,ALIGN(2)	
File _\$255\$DUA28	Library Sta		Percent 0	Pages Mapped 581	Processing Time 00:09.7	

COMMAND QUALIFIERS

VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBFILSCA.B32;1

Page 44 (13)

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBFILSCA/OBJ=OBJ\$:LIBFILSCA MSRC\$:LIBFILSCA/UPDATE=(ENH\$:LIBFILSCA

; Size: 2044 code + 8 data bytes; Run Time: 00:30.0; Elapsed Time: 01:50.3; Lines/CPU Min: 2780; Lexemes/CPU-Min: 31542; Memory Used: 330 pages; Compilation Complete

0206 AH-BT13A-SE

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